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ABSTRACT

This document lists the individual awards made under the various National Institutes of Health (NIH) programs for fiscal year 1977. The listing includes research grants to foreign investigators, contracts and agreements with foreign research institutions, fellowships for foreign graduates to undertake research in the United States and for Americans to work in outstanding foreign laboratories, and foreign scientists and scholars working at NIH. The listings of the principal programs include country, foreign institution, principal investigators, and title of the project. (Author/BB)

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SE 024 950

national institutes of health

international awards for biomedical research and research training

fiscal year 1977

U.S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
Public Health Service
National Institutes of Health

NATIONAL INSTITUTES OF HEALTH
INTERNATIONAL AWARDS FOR BIOMEDICAL RESEARCH AND RESEARCH TRAINING
FISCAL YEAR 1977

00870.11

Prepared by the Staffs of
the International Cooperation and Geographic Studies Branch
Fogarty International Center
and
the Division of Research Grants

DHEW Publication No. (NIH) 78-63

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
National Institutes of Health

PREFACE

This publication is one of three documents, published annually, relating to international activities of the National Institutes of Health. A companion booklet titled *National Institutes of Health Annual Report of International Activities, Fiscal Year 1977*, contains a comprehensive narrative review and analysis of the international activities undertaken by the National Institutes of Health during that fiscal year. The third booklet, titled *National Institutes of Health Statistical Reference Book of International Activities, Fiscal Year 1977*, contains statistical information reflecting past trends and current support of international activities by the NIH.

This document, *National Institutes of Health International Awards for Biomedical Research and Research Training, Fiscal Year 1977*, lists the individual awards made under the various NIH programs for fiscal year 1977. The listing includes research grants to foreign investigators; contracts and agreements with foreign research institutions; fellowships for foreign graduates to undertake research in the United States and for Americans to work in outstanding foreign laboratories; and foreign scientists and scholars working at NIH.

Research resources involving over 50 countries were utilized or shared by the National Institutes of Health during the year to carry out its primary objective of advancing the medical sciences and the health of the American people. The broadest form of international cooperation involved grants and contracts to foreign institutions. Grant applications are submitted by scientists outside the United States to NIH for consideration. These applications and proposals are then reviewed for scientific merit by distinguished non-Government scientists to assure that the proposed project is scientifically sound and is directly related to the program objectives of the supporting elements of NIH. Foreign grant applications, in addition to satisfying the review for scientific merit, are again reviewed according to special criteria to assure that the projects which are funded utilize resources which are not normally available in the United States.

Each program is listed separately in this report. The listings of the principal programs include: country, foreign institution, principal investigators, and title of the project.

Further information on an individual grant or contract may be obtained from the Institute supporting the award. Information on NIH Special Foreign Currency Agreements (PL 480) may be obtained from the Special Foreign Currency Program, Fogarty International Center. Questions concerning this document or its companion booklets may be addressed to Dr. Joseph R. Quinn, Chief, International Cooperation and Geographic Studies Branch.

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GLOSSARY OF ABBREVIATIONS

Grant Code	Awarding Organization	Abbreviation
OD, CO	Office of the Director	OD
CA, CB, CM, CP	National Cancer Institute	NCI
EY	National Eye Institute	NEI
HE, HV, HL, HR	National Heart, Lung, and Blood Institute	NHLBI
AI	National Institute of Allergy and Infectious Diseases	NIAID
AM	National Institute of Arthritis, Metabolism and Digestive Diseases	NIAMDD (NIAMD)
DE	National Institute of Dental Research	NIDR
ES	National Institute of Environmental Health Sciences	NIEHS
GM	National Institute of General Medical Sciences	NIGMS
HD	National Institute of Child Health and Human Development	NICHD
NS	National Institute of Neurological and Communicative Disorders and Stroke	NINCDS (NINCS)
TW	Fogarty International Center	FIC
LM	National Library of Medicine	NLM
CC	Clinical Center	CC
CR	Division of Computer Research and Technology	DCRT
RR	Division of Research Resources	DRR

INTERNATIONAL AWARDS FOR BIOMEDICAL RESEARCH AND RESEARCH TRAINING

RESEARCH GRANTS

The National Institutes of Health support research projects outside the United States only when they have met special criteria established for foreign grants. These criteria include the highest scientific merit and relevancy to the program interests of the NIH as well as conformance with NIH, DHEW and other Executive Branch policies.

In FY 1977, research grants were made to investigators in 25 countries. There were a total of 149 awards made for research projects in foreign countries and international organizations totalling $6,531,542.

The listing of awards includes location, institution, principal investigator, project title, grant numbers, and amounts awarded during FY 1977 and amounts approved for FY 1978. Arrangement of the grant numbers are explained as follows: The Institute or Division which awarded the grant is indicated by a two-letter symbol preceding a five-digit serial number. The symbols for awarding units are given in the Glossary of Abbreviations. The suffix represents the year of the grant: The initial year's award is designated 01, the second year 02, etc. Where supplemental funds have been awarded this is shown as 02S1 for the first supplement to the second year's award, 02S2 for the second supplement, etc. Grant numbers ending in A1 show that the grant was amended during the fiscal year. Example: HE06911-06A1.

TABLE 1.--NIH RESEARCH GRANTS, BY AREA, ORGANIZATION, AND PRINCIPAL INVESTIGATOR, FISCAL YEAR 1977

LOCATION, INSTITUTION, PRINCIPAL INVESTIGATOR	PROJECT TITLE		GRANT NO.	AMOUNT AWARDED FY 1977	AMOUNT APPROVED FY1978	PROJECT END DATE
ARGENTINA						
BUENOS AIRES						
INSTITUTE OF BIOLOGY AND EXPERIMENTAL MEDICINE						
GOTNISKY, ABRAHAM	HUMAN URINARY ERYTHROPOIETIN COLLECTION		HL16675-03	21,921		05/77
GOTNISKY, ABRAHAM	HUMAN URINARY ERYTHROPOIETIN COLLECTION		HL16675-04	47,786	46,451	05/80
ORGANIZATION TOTAL	2	69,707				
INSTITUTE OF BIOCHEMICAL RESEARCH "FUNDACION CAMPOMAR"						
LELOIR, LUIS F	POLYPRENOLS AND POLYSACCHARIDES		GM19808-05	50,000	50,000	06/79
ORGANIZATION TOTAL	1	50,000				
NAVAL INSTITUTE OF SCIENTIFIC AND TECHNICAL RESEARCH						
CASTRO, JOSE A	MECHANISM OF CARBON TETRACHLORIDE HEPATOTOXICITY		AM13195-08	17,160	16,610	12/78
ORGANIZATION TOTAL	1	17,160				
UNIVERSITY OF BUENOS AIRES						
FRYDMAN, BENJAMIN	BIOSYNTHETIC INTERMEDIATES OF PORPHYRINS		GM11973-12	13,833		12/77
ORGANIZATION TOTAL	1	13,833				
COUNTRY TOTAL	5	150,700				
AUSTRALIA						
CANBERRA						
AUSTRALIAN NATIONAL UNIVERSITY						
WHITE, MICHAEL J	CYTOGENETICS--CHROMOSOME REARRANGEMENTS		GM22710-02	14,940		03/78
ORGANIZATION TOTAL	1	14,940				
KENSINGTON						
UNIVERSITY OF NEW SOUTH WALES						
WICKEN, ANTHONY J	VARIATIONS IN THE SURFACE STRUCTURES OF ORAL BACTERIA		DE04175-03	63,677		05/78
ORGANIZATION TOTAL	1	63,677				
MELBOURNE						
WALTER AND ELIZA HALL INSTITUTE OF MEDICAL RESEARCH						
ADAMS, JERRY M	STRUCTURE OF IMMUNOGLOBULIN AND OTHER MYELOMA MRNAS		CA12421-06	34,147		08/78
METCALF, DONALD	REGULATION OF B-LYMPHOCYTE COLONIES		CA22492-01	38,839	45,514	09/80
MITCHELL, GRAHAM F	IMMUNE RESPONSES INDUCED IN MICE BY ASCARIS SUUM		AI12677-03	31,686		05/78

TABLE 1.--NIH RESEARCH GRANTS, BY AREA, ORGANIZATION, AND PRINCIPAL INVESTIGATOR, FISCAL YEAR 1977

LOCATION, INSTITUTION, PRINCIPAL INVESTIGATOR	PROJECT TITLE		GRANT NO.	AMOUNT AWARDED FY 1977	AMOUNT APPROVED FY1978	PROJECT END DATE
AUSTRALIA						
MELBOURNE						
WALTER AND ELIZA HALL INSTITUTE OF MEDICAL RESEARCH						
BOSSAL, GUSTAV J	MECHANISMS OF LYMPHOCYTE-ANTIGEN INTERACTIONS		AI03958-17	67,500		05/78
ORGANIZATION TOTAL	4	172,172				
MURDOCH						
MURDOCH UNIVERSITY						
RENFREE, MARILYN B	DELAYED IMPLANTATION AND DEVELOPMENT IN MARSUPIALS		HD09387-01A1	39,125	25,432	12/79
ORGANIZATION TOTAL	1	39,125				
PARKVILLE						
UNIVERSITY OF MELBOURNE						
AUGUSTYN, ROBERT C	THE MECHANISM OF SENILE CATARACT FORMATION		RY01525-03	10,527		06/78
MATHEWS, JOHN D	BLOOD PRESSURE AND IMMUNOGENETIC FACTORS IN THE YOUNG		HL19984-02	82,523		05/78
MC KENZIE, IAN F	IA ANTIGENIC SPECIFICITIES IN MOUSE AND MAN		CA21224-01	44,881	42,036	04/80
ORGANIZATION TOTAL	3	141,931				
PRAHRAN						
BAKER MEDICAL RESEARCH INSTITUTE						
MALONEY, JOHN E	RESPIRATORY SYSTEM DEVELOPMENT & SUDDEN INFANT DEATH		HD10135-02	37,002	39,360	06/79
ORGANIZATION TOTAL	1	37,002				
SYDNEY						
INSTITUTE OF DENTAL RESEARCH						
KNOX, KENNETH W	VARIATIONS IN THE SURFACE STRUCTURES OF ORAL BACTERIA		DE04174-03	61,610		05/79
ORGANIZATION TOTAL	1	61,610				
COUNTRY TOTAL	12	530,457				
BELGIUM						
BRUSSELS						
CATHOLIC UNIVERSITY OF LOUVAIN						
BAZIN, HERVE	PHYSIOLOGY OF THE RAT IGE		AI12840-03	29,498		05/78

TABLE 1.--NIH RESEARCH GRANTS, BY AREA, ORGANIZATION, AND PRINCIPAL INVESTIGATOR, FISCAL YEAR 1977

LOCATION, INSTITUTION, PRINCIPAL INVESTIGATOR	PROJECT TITLE		GRANT NO.	AMOUNT AWARDED FY 1977	AMOUNT APPROVED FY1978	PROJECT END DATE
BELGIUM						
BRUSSELS						
CATHOLIC UNIVERSITY OF LOUVAIN						
HERS, HENRI-GERY	INBORN ERRORS OF CARBOHYDRATE METABOLISM		AM09235-12	35,000	35,000	05/80
ORGANIZATION TOTAL	2	84,498				
FREE UNIVERSITY OF BRUSSELS						
CHRISTOPHE, JEAN P	MOLECULAR BASIS OF SECRETION IN THE EXOCRINE PANCREAS		AM17010-03	13,000		05/78
ORGANIZATION TOTAL	1	13,000				
LIEGE						
UNIVERSITY OF LIEGE						
GHUYSEN, JEAN-MARIE	BACTERIAL TRANSPEPTIDASES AND PENICILLIN ACTION		AI13364-02	24,715	26,039	08/79
ORGANIZATION TOTAL	1	24,715				
COUNTRY TOTAL	4	102,213				
CANADA						
CALGARY						
UNIVERSITY OF CALGARY						
TAN, YIN-HWEE	HUMAN INTERFERON PRODUCTION FOR ANTITUMOR STUDIES		CA19721-02	45,171	47,658	06/79
ORGANIZATION TOTAL	1	45,171				
EDMONTON						
UNIVERSITY OF ALBERTA						
LOWN, J WILLIAM	THE MODE OF ANTITUMOR ACTION OF NITROSOUREAS		CA21488-01	23,300	24,435	03/80
ORGANIZATION TOTAL	1	23,300				
GUELPH						
UNIVERSITY OF GUELPH						
BROWN, R GLENN	TRACE MINERAL METABOLISM IN GENETIC CHONDRODYSPLASIA		AM18758-02	39,115	41,671	05/79
ORGANIZATION TOTAL	1	39,115				
KINGSTON						
QUEEN'S UNIVERSITY AT KINGSTON						
WYATT, GERARD R	BIOCHEMISTRY OF DEVELOPMENT AND REGULATION		HD07951-04	42,050	46,255	11/79
ORGANIZATION TOTAL	1	42,050				

TABLE 1.--NIH RESEARCH GRANTS, BY AREA, ORGANIZATION, AND PRINCIPAL INVESTIGATOR, FISCAL YEAR 1977

LOCATION, INSTITUTION, PRINCIPAL INVESTIGATOR	PROJECT TITLE	GRANT NO.	AMOUNT AWARDED FY 1977	AMOUNT APPROVED FY1978	PROJECT END DATE
CANADA					
LONDON					
UNIVERSITY OF WESTERN ONTARIO					
BANTING, DAVID W	LONGITUDINAL STUDY OF DENTAL ROOT SURFACE CARIES	DE04465-02	10,886	12,430	06/79
BARNETT, HENRY J	EXTRACRANIAL/INTRACRANIAL ARTERIAL ANASTOMOSIS STUDY	NS14164-01	526,552	876,226	06/82
CHERIAN, M GEORGE	NATURE OF LEAD AND MERCURY BINDING NUCLEAR PROTEINS	ES01535-01	12,512		06/78
MORRIS, VINCENT L	CONTROL OF EXPRESSION OF MOUSE MAMMARY TUMOR VIRUS	CA21311-01	45,783	34,114	08/80
PERCY, DEAN H	HERPETIC OPHTHALMITIS	EY01833-01	14,480	14,830	01/79
TREVITHICK, JOHN R	EYE LENS EPITHELIAL CELL DIFFERENTIATION AND CATARACT	EY01927-01	41,460	40,578	04/80
ORGANIZATION TOTAL	6	651,673			
MONTREAL					
CLINICAL RESEARCH INSTITUTE OF MONTREAL					
HAMET, PAVAL	GROWTH OF VASCULAR SMOOTH MUSCLE IN DIABETES MELLITUS	AM21299-01	33,282	26,217	08/80
ORGANIZATION TOTAL	1	33,282			
JEWISH GENERAL HOSPITAL					
MARGOLESE, RICHARD G	PRIMARY BREAST CANCER THERAPY GROUP (NSABP)	CA20156-01	23,456	31,037	11/79
PERDUE, JAMES F	CONTROL OF CELL GROWTH BY MITOGEN RECEPTORS	GM23763-01	53,402	55,966	06/79
ORGANIZATION TOTAL	2	76,858			
MAISONNEUVE HOSPITAL					
GAGNAN-BRUNETTE, MICHELE	PHYSIOLOGY OF MAGNESIUM IN THE PAPILLA OF RAT KIDNEY	AM20136-01	24,950	22,955	08/79
ORGANIZATION TOTAL	1	24,950			
MC GILL UNIVERSITY					
LALA, PEEYUSH K	SPONTANEOUS FUSION BETWEEN TUMOR CELLS AND HOST CELLS	CA17111-02S1	3,062		05/78
LALA, PEEYUSH K	SPONTANEOUS FUSION BETWEEN TUMOR CELLS AND HOST CELLS	CA17111-03	36,924		05/78
LEBLOND, CHARLES P	LOCALIZATION OF FOUR PROCOLLAGENS IN DENTAL TISSUES	DE04547-02	31,242		08/78
LEWIS, MARTIN G	TUMOR-SPECIFIC ANTIGENS IN HUMAN BLADDER CANCER	CA17458-03	39,870		03/78
MC KENZIE, JOHN M	PATHOGENESIS OF HYPERTHYROIDISM	AM04121-16A1	46,966	51,663	11/79
POSNER, BARRY I	POLYPEPTIDE HORMONE RECEPTORS	AM19573-01	41,250	43,620	04/80
SOLOMON, SAMUEL	FORMATION, METABOLISM AND ROLE OF HORMONES IN PREGNANCY	HD04365-16	53,923	60,144	11/79
ORGANIZATION TOTAL	7	253,237			

TABLE 1.--NIH RESEARCH GRANTS, BY AREA, ORGANIZATION, AND PRINCIPAL INVESTIGATOR, FISCAL YEAR 1977

LOCATION, INSTITUTION, PRINCIPAL INVESTIGATOR	PROJECT TITLE		GRANT NO.	AMOUNT AWARDED FY 1977	AMOUNT APPROVED FY1978	PROJECT END DATE
CANADA						
MONTREAL						
NOTRE DAME HOSPITAL						
BAND, PIERRE A	EASTERN COOPERATIVE ONCOLOGY GROUP		CA21653-01	31,082	34,947	11/78
ORGANIZATION TOTAL	1	31,082				
ROYAL VICTORIA HOSPITAL						
SHIBATA, HENRY R	PRIMARY BREAST CANCER THERAPY GROUP		CA20321-01	24,955	39,408	11/79
ORGANIZATION TOTAL	1	24,955				
TORONTO						
UNIVERSITY OF TORONTO						
CAMERMAN, NORMAN	STEREOCHEMICAL BASIS OF ANTICONVULSANT DRUG ACTIVITY		NS09839-07	17,000	16,000	07/79
ELLEN, RICHARD P	LONGITUDINAL STUDY OF DENTAL ROOT SURFACE CARIES		DE04464-02	51,163	55,283	06/79
FARBER, EMMANUEL	PATHOGENESIS OF LIVER CANCER INDUCED BY CHEMICALS		CA21157-01	67,620	64,258	04/80
SCHACHTER, HARRY	GLYCOPROTEIN-GLYCOLIPID METABOLISM IN SPERMATOGENESIS		HD07889-04	43,129	45,763	03/80
ORGANIZATION TOTAL	4	178,912				
VANCOUVER						
UNIVERSITY OF BRITISH COLUMBIA						
BEGG, IAIN S	A STUDY OF RETINAL CIRCULATION IN THE DIABETIC		EY02102-01	15,650		04/78
CANDIDO, E PETER	BIOCHEMICAL STUDIES IN DROSOPHILA MELANOGASTER		GM22753-02	26,000	29,000	05/79
DENNIS, PATRICK P	REGULATION OF TRANSCRIPTION AND TRANSLATION ELEMENTS		GM24010-01	39,000	25,000	03/80
DOLPHIN, DAVID H	PORPHYRIN IONS AND RADICALS IN METABOLIC PROCESSES		AM17939-03	45,753		12/77
SLEMMER, GLENN L	CELL BIOLOGY OF MAMMARY GLAND NEOPLASIA		CA18987-02	45,629	52,241	06/79
WADA, JOHN A	CHRONIC FOCAL EPILEPTOGENIC LESION AND DEEP STRUCTURE		NS02812-17	36,261		05/78
ORGANIZATION TOTAL	6	208,293				
WINNIPEG						
UNIVERSITY OF MANITOBA						
FRIESEN, HENRY G	PLACENTAL & PITUITARY PROTEIN & POLYPEPTIDE HORMONES		HD07843-04	67,660	71,660	11/79
SEHON, ALEC	IMMUNOLOGIC DESTRUCTION OF TUMOR CELLS		CA13192-05	60,509	65,258	11/78
ORGANIZATION TOTAL	2	128,169				

TABLE 1.--NIH RESEARCH GRANTS, BY AREA, ORGANIZATION, AND PRINCIPAL INVESTIGATOR, FISCAL YEAR 1977

LOCATION, INSTITUTION, PRINCIPAL INVESTIGATOR	PROJECT TITLE		GRANT NO.	AMOUNT AWARDED FY 1977	AMOUNT APPROVED FY 1978	PROJECT END DATE
COUNTRY TOTAL	35	1,761,047				
DENMARK						
AARHUS						
UNIVERSITY OF AARHUS						
MAGNUSSON, STAFFAN H	PROTEIN STRUCTURE IN COAGULATION AND FIBRINOLYSIS		HL16238-04	44,403	44,968	11/79
ORGANIZATION TOTAL	1	44,403				
COPENHAGEN						
CARLSBERG LABORATORY						
VON WETTSTEIN, DITER H	GENETIC CONTROL OF MACROMOLECULAR CELL STRUCTURES		GM22051-03	21,400		05/78
ORGANIZATION TOTAL	1	21,400				
UNIVERSITY OF COPENHAGEN						
EBBESEN, PETER	CANCER OF OLD SKIN GRAFTS AGING ON YOUNG RECIPIENTS		CA17039-03	21,783		04/78
ORGANIZATION TOTAL	1	21,783				
COUNTRY TOTAL	3	92,586				
FINLAND						
HELSINKI						
UNIVERSITY OF HELSINKI						
KONTIAINEN, SIRKKA K	STIMULATION OF T-CELLS WITH PROTEIN ANTIGENS		AI13145-02	19,700	21,500	03/79
VAHERI, ANTTI	FIBROBLAST SURFACE ANTIGEN LOSS IN TRANSFORMATION		CA17373-03	57,394		04/78
ORGANIZATION TOTAL	2	77,094				
TURKU						
UNIVERSITY OF TURKU						
HARTIALA, KAARLO J	GASTROINTESTINAL AND PULMONARY METABOLIC FUNCTIONS		ES01684-1[illegible]	46,300	51,400	06/80
ORGANIZATION TOTAL	1	46,300				
COUNTRY TOTAL	3	123,394				
FRANCE						
BOBIGNY						
GROUP FOR THE STUDY AND RESEARCH IN CANCER						
ISRAEL, LUCIEN I	EASTERN COOPERATIVE ONCOLOGY GROUP		CA19273-02	38,515		05/78
ORGANIZATION TOTAL	1	38,515				

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LOCATION, INSTITUTION, PRINCIPAL INVESTIGATOR	PROJECT TITLE		GRANT NO.	AMOUNT AWARDED FY 1977	AMOUNT APPROVED FY1978	PROJECT END DATE
FRANCE						
NANTES						
UNIVERSITY OF NANTES						
LE DOUARIN, NICOLE M	MIGRATION AND DIFFERENTIATION OF NEURAL CREST CELLS		DE04257-02	26,000	26,000	11/78
ORGANIZATION TOTAL	1	26,000				
PARIS						
PASTEUR INSTITUTE						
JACOB, FRANCOIS	STUDIES OF REGULATORY MECHANISMS		CA16355-03	14,978		11/77
ORGANIZATION TOTAL	1	14,978				
ST. LOUIS HOSPITAL						
BERNARD, JEAN	COOPERATION WITH ACUTE LEUKEMIA GROUP B		CA13239-04S1	22,050		07/77
BERNARD, JEAN	COOPERATIVE STUDY OF ACUTE LEUKEMIA		CA13239-05	31,740	50,942	03/79
ORGANIZATION TOTAL	2	53,790				
UNIVERSITY OF PARIS VII						
DAUSSET, JEAN	SURFACE LEUCOCYTE ANTIGENS AND SKIN GRAFTS		AI09293-17	22,500	22,500	05/79
ORGANIZATION TOTAL	1	22,500				
COUNTRY TOTAL	6	155,783				
GERMANY FED R						
ESSEN						
UNIVERSITY OF ESSEN						
RAJEWSKY, MANFRED F	NERVOUS SYSTEM-SPECIFIC CHEMICAL CARCINOGENESIS		CA20017-01A1	39,280	41,411	07/80
ORGANIZATION TOTAL	1	39,280				
COUNTRY TOTAL	1	39,280				
ICELAND						
REYKJAVIK						
ICELAND CANCER SOCIETY						
EJARNASON, OLAFUR	GENEALOGICAL RESOURCE FOR MEDICAL RESEARCH		GM22370-02	35,110		02/78
ORGANIZATION TOTAL	1	35,110				
COUNTRY TOTAL	1	35,110				

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LOCATION, INSTITUTION, PRINCIPAL INVESTIGATOR	PROJECT TITLE	GRANT NO.	AMOUNT AWARDED FY 1977	AMOUNT APPROVED FY1978	PROJECT END DATE
ISRAEL					
HAIFA					
TECHNION-ISRAEL INSTITUTE OF TECHNOLOGY					
BRANDON, DAVID G	EPITAXIAL SANDWICHING OF BIOPOLYMERS	GM22264-02	21,159	21,023	01/79
GERSHON, DAVID	STUDY OF FAULTY PROTEIN MOLECULES IN SENESCENCE	AG00459-04	41,270	44,100	06/80
ORGANIZATION TOTAL	2 62,425				
JERUSALEM					
HEBREW UNIVERSITY OF JERUSALEM					
BERMAN, ELAINE R	STUDIES ON THE PIGMENT EPITHELIUM OF THE RETINA	EY01131-0252	700	1,200	06/78
BERMAN, ELAINE R	STUDIES ON THE PIGMENT EPITHELIUM OF THE RETINA	EY01131-03	16,600		06/78
CEDAR, HOWARD	TRANSCRIPTION AND MODIFICATION OF CHROMATIN DNA	GM20483-04	38,970	48,607	05/80
COHEN, ARTHUR M	CHANGE OF THE HORMONAL STATUS IN DIABETIC RETINOPATHY	EY01837-01	39,485	43,374	01/80
FRIEDLANDER, DOV	FERTILITY CHANGE AND VARIATION IN ISRAEL	HD06721-05	18,769	22,229	12/78
GATT, SHIMON	METABOLISM OF THE SPHINGOLIPIDS AND C24 FATTY ACIDS	NS02967-17	44,680	49,009	05/80
SCHRAMM, MICHAEL	ENZYME SECRETION AND ITS METABOLIC CONTROL	AM10451-12	60,260		05/78
SHAFRIR, ELEAZAR	METABOLISM OF LOW INSULIN RESPONDING SPINY MOUSE	AM21228-01	37,770	38,860	08/80
WERMAN, ROBERT	THE MOTONEURON IN SPINAL CORD SLICES	NS13935-01	46,535	31,664	08/80
ORGANIZATION TOTAL	9 303,769				
REHOVOTH					
WEIZMANN INSTITUTE OF SCIENCE					
ALONI, YOSEF	CONTROL OF GENE EXPRESSION IN TUMOR VIRUSES AND CELLS	CA14995-04	48,746	49,551	02/80
BERENBLUM, ISAAC	NEW APPROACHES TO SYSTEMIC TWO-STAGE CARCINOGENESIS	CA21088-01	30,833	39,590	07/80
COHEN, IRUN R	RECRUITMENT OF T CELL IMMUNITY TO ANTIGENS AND TUMORS	CA21329-01	47,950	58,571	07/80
GIVOL, DAVID	CHARACTERIZATION OF SPECIFIC T-CELL FACTORS	AI13200-02	45,020	48,330	07/79
PATCHORNIK, ABRAHAM	NONENZYMATIC MODIFICATIONS AND CLEAVAGES OF PROTEINS	AM05098-15	59,300		04/78
SCHECHTER, ISRAEL	STRUCTURE AND FUNCTION OF IG GENES AND IG PRECURSORS	CA20817-02	70,389	72,985	06/79

TABLE 1.--NIH RESEARCH GRANTS, BY AREA, ORGANIZATION, AND PRINCIPAL INVESTIGATOR, FISCAL YEAR 1977

LOCATION, INSTITUTION, PRINCIPAL INVESTIGATOR	PROJECT TITLE		GRANT NO.	AMOUNT AWARDED FY 1977	AMOUNT APPROVED FY1978	PROJECT END DATE
ISRAEL						
REHOVOTH						
WEIZMANN INSTITUTE OF SCIENCE						
SELA, MICHAEL	SYNTHETIC ANTIGENS		AI11405-05	50,063		05/78
SILBERBERG, ALEXANDER	MUCUS CLEARANCE IN SECRETORY OTITIS MEDIA		RR10048-07	47,720	44,263	08/80
YAFFE, DAVID	CONTROL OF DIFFERENTIATION IN ESTABLISHED CELL LINES		GM22767-02	48,000	48,000	06/79
ORGANIZATION TOTAL	9	444,021				
TEL AVIV						
TEL AVIV UNIVERSITY						
WITZ, ISAAC P	TUMOR-BOUND IG--AN EXPRESSION OF ANTITUMOR IMMUNITY		CA20089-01	43,660	55,811	07/80
ORGANIZATION TOTAL	1	43,660				
COUNTRY TOTAL	21	853,875				
ITALY						
MILAN						
MARIO NEGRI INSTITUTE FOR PHARMACOLOGICAL RESEARCH						
GARATTINI, SILVIO	TREATMENT OF CANCER DISSEMINATION AND METASTASIS		CA12764-06	63,250		08/78
ORGANIZATION TOTAL	1	63,250				
UNIVERSITY OF MILAN						
SCHWARTZ, PETER J	EXPERIMENTAL REPRODUCTION OF LONG QT SYNDROME AND SIDS		HD08796-03	3,216		05/78
ORGANIZATION TOTAL	1	3,216				
PISA						
UNIVERSITY OF PISA						
POMPEIANO, OTTAVIO	SENSORY MECHANISMS AND MOTOR CONTROL		NS07685-09	15,000		05/78
ORGANIZATION TOTAL	1	15,000				
ROME						
UNIVERSITY OF ROME						
MONACO, FABRIZIO	COMPARATIVE ROLE OF CARBOHYDRATES IN THYROGLOBULIN		AM16932-04	22,050	22,050	11/79
ORGANIZATION TOTAL	1	22,050				
COUNTRY TOTAL	4	103,516				

TABLE 1.--NIH RESEARCH GRANTS, BY AREA, ORGANIZATION, AND PRINCIPAL INVESTIGATOR, FISCAL YEAR 1977

LOCATION, INSTITUTION, PRINCIPAL INVESTIGATOR	PROJECT TITLE		GRANT NO.	AMOUNT AWARDED FY 1977	AMOUNT APPROVED FY1978	PROJECT END DATE
JAPAN						
OSAKA						
KINKI UNIVERSITY						
OKAMOTO, KOZO	PATHOGENESIS AND PREVENTION OF HYPERTENSION SEQUELAE		HL17754-03	34,900		01/78
ORGANIZATION TOTAL	1	34,900				
TOKYO						
KITASATO INSTITUTE						
OKADA, HIDECHIKA	NONIMMUNOLOGIC COMPLEMENT ACTIVATION BY TUMOR CELL		CA19229-02	42,740	45,204	06/79
ORGANIZATION TOTAL	1	42,740				
SCIENCE UNIVERSITY OF TOKYO						
SATOH, KENSHI	CALCIUM-INDUCED AGGREGATION OF HUMAN LENS PROTEIN		EY01879-01	13,400	14,000	01/80
ORGANIZATION TOTAL	1	13,400				
COUNTRY TOTAL	3	91,040				
KOREA REP OF						
SEOUL						
KOREA ADVANCED INSTITUTE OF SCIENCE						
SHIM, SANG C	PHOTOCHEMISTRY OF DIMETHOXYCOUMARIN		CA21729-01	10,590	11,005	07/80
ORGANIZATION TOTAL	1	10,590				
COUNTRY TOTAL	1	10,590				
MEXICO						
MEXICO						
NATIONAL POLYTECHNIC INSTITUTE						
RUDOMIN, PEDRO	DISCHARGE PATTERNS OF MOTONEURONS		NS09196-06	56,701	40,000	04/80
ORGANIZATION TOTAL	1	56,701				
COUNTRY TOTAL	1	56,701				
NETHERLANDS						
LEIDEN						
STATE UNIVERSITY OF LEIDEN						
SOBELS, FREDERIK H	INDUCTION OF GENETIC DAMAGE BY CHEMICAL MUTAGENS		ES01027-04	116,000	127,000	07/80
ORGANIZATION TOTAL	1	116,000				

TABLE 1.--NIH RESEARCH GRANTS, BY AREA, ORGANIZATION, AND PRINCIPAL INVESTIGATOR, FISCAL YEAR 1977

LOCATION, INSTITUTION, PRINCIPAL INVESTIGATOR	PROJECT TITLE		GRANT NO.	AMOUNT AWARDED FY 1977	AMOUNT APPROVED FY1978	PROJECT END DATE
COUNTRY TOTAL	1	116,000				
NEW ZEALAND						
DUNEDIN						
UNIVERSITY OF OTAGO						
SIMPSON, FREDERIC O	STUDY OF GENETIC HYPERTENSION IN RATS		HL10942-09	15,372		05/78
ORGANIZATION TOTAL	1	15,372				
PALMERSTON NORTH						
MASSEY UNIVERSITY						
JOLLY, ROBERT D	MANNOSIDOSIS--A MODEL FOR LYSOSOMAL STORAGE DISEASES		NS11238-04	36,495	36,378	02/79
ORGANIZATION TOTAL	1	36,495				
COUNTRY TOTAL	2	51,867				
PORTUGAL						
LISBON						
UNIVERSITY OF LISBON						
DA SILVA HORTA, JORGE	TOXICITY OF ALPHA-EMITTING HEAVY ELEMENTS--INT. CONF.		CA20671-01	36,200		01/78
ORGANIZATION TOTAL	1	36,200				
COUNTRY TOTAL	1	36,200				
S AFR REP OF						
PRETORIA						
UNIVERSITY OF PRETORIA						
FALKSON, GEOFFREY	EASTERN COOPERATIVE ONCOLOGY GROUP STUDIES		CA21692-01	43,813		05/78
ORGANIZATION TOTAL	1	43,813				
COUNTRY TOTAL	1	43,813				
SPAIN						
MADRID						
AUTONOMOUS UNIVERSITY OF MADRID						
GOSALVEZ, MARIO	BIOLOGICAL AND BIOCHEMICAL ANALYSIS OF ROTENONE TUMOR		CA16776-03	22,000		11/77
ORGANIZATION TOTAL	1	22,000				
COUNTRY TOTAL	1	22,000				

TABLE 1.--NIH RESEARCH GRANTS, BY AREA, ORGANIZATION, AND PRINCIPAL INVESTIGATOR, FISCAL YEAR 1977

LOCATION, INSTITUTION, PRINCIPAL INVESTIGATOR	PROJECT TITLE	GRANT NO.	AMOUNT AWARDED FY 1977	AMOUNT APPROVED FY1978	PROJECT END DATE
SWEDEN					
GOTHENBURG					
GOTHENBURG UNIVERSITY					
ABRAHAMSSON, SIXTEN	MOLECULAR ARRANGEMENT IN COMPLEX LIPIDS	GM11653-17	50,000		11/77
EKHOLM, RAGNAR E	THYROID FUNCTIONAL MORPHOLOGY	AM18842-01A1	25,000	26,000	05/80
ORGANIZATION TOTAL 2	75,000				
LUND					
UNIVERSITY OF LUND					
FALCK, BENGT O	NEW METHODS FOR THE STUDY OF AMINE TRANSMITTERS	NS06701-11	33,399	35,771	12/78
SIESJO, BO K	PATHOPHYSIOLOGY OF HYPOXIC BRAIN DAMAGE	NS07838-09	40,146		05/78
SJOGREN, HANS O	IMMUNITY TO BOWEL NEOPLASMS IN RATS AND MAN	CA14924-05	81,858		05/78
ORGANIZATION TOTAL 3	155,403				
STOCKHOLM					
CAROLINE INSTITUTE					
BLOMBACK, BIRGER E	STRUCTURE AND FUNCTION OF FIBRINOGEN	HL07379-12	52,485	55,395	06/80
KLEIN, GEORGE	MALIGNANT BEHAVIOR AND CELLULAR ANTIGEN EXPRESSION	CA14054-05	108,000	118,000	03/79
PERNOW, BENGT B	SUBSTANCE P: OCCURRENCE, PHARMACOLOGY AND PHYSIOLOGY	HL18994-02	26,870	27,792	05/79
ORGANIZATION TOTAL 3	187,355				
UPPSALA					
UNIVERSITY OF UPPSALA					
BARANY, ERNST H	COMPARATIVE STUDIES OF GLAUCOMA	EY00231-13	79,200	83,397	03/80
BILL, ANDERS A	STUDIES ON THE NUTRITION OF THE EYE	EY00475-11	54,300	44,000	04/79
HAZELBAUER, GERALD L	THE MECHANISM OF CHEMORECEPTION IN ESCHERICHIA COLI	AI12858-02S1	3,000		05/78
HAZELBAUER, GERALD L	THE MECHANISM OF CHEMORECEPTION IN ESCHERICHIA COLI	AI12858-03	19,169		05/78
WIGZELL, HANS L	ISOLATION AND USE OF ANTIGEN-BINDING T CELL RECEPTORS	AI13485-02	56,000	67,200	05/79
ORGANIZATION TOTAL 5	211,669				
COUNTRY TOTAL 13	629,427				

TABLE 1.--NIH RESEARCH GRANTS, BY AREA, ORGANIZATION, AND PRINCIPAL INVESTIGATOR, FISCAL YEAR 1977

LOCATION, INSTITUTION, PRINCIPAL INVESTIGATOR	PROJECT TITLE		GRANT NO.	AMOUNT AWARDED FY 1977	AMOUNT APPROVED FY1978	PROJECT END DATE
SWITZERLAND						
BASEL						
UNIVERSITY OF BASEL						
SHOWE, MICHAEL K	SYNTHESIS AND FUNCTION OF ORGANIZED ELEMENTS IN CELLS		AI13165-02	41,496		05/78
ORGANIZATION TOTAL	1	41,496				
COUNTRY TOTAL	1	41,496				
THAILAND						
BANGKOK						
MAHIDOL UNIVERSITY						
BHAMARAPRAVATI, WATTH	PATHOGENESIS OF DENGUE SHOCK SYNDROME		AI12358-03	9,590		05/78
LAMB, ADRIAN J	METABOLISM AND FUNCTION OF CAROTENOIDS AND VITAMIN A		AM11367-09S1	7,250		08/77
LAMB, ADRIAN J	METABOLISM AND FUNCTION OF CAROTENOIDS AND VITAMIN A		AM11367-10	41,600	46,900	05/80
VALYASEVI, ARE	STUDIES OF BLADDER STONE DISEASE IN THAILAND		AM13066-08	52,200	52,100	04/79
WASI, PRAWASE	THALASSEMIAS, HEMOGLOBINOPATHIES AND RELATED PROBLEMS		AM09805-10	20,000	20,000	12/79
ORGANIZATION TOTAL	5	130,640				
COUNTRY TOTAL	5	130,640				
UNITED KINGDOM						
BRISTOL						
UNIVERSITY OF BRISTOL						
PURVES, MICHAEL J	THE CONTROL OF BREATHING BEFORE AND AFTER BIRTH		HD09457-02	51,932	56,324	02/79
SALMON, PAUL R	LAPAROSCOPY IN THE DIAGNOSIS OF PANCREATIC CANCER		CA19167-02	12,719	15,401	04/79
ORGANIZATION TOTAL	2	64,651				
CAMBRIDGE						
AGRICULTURAL RESEARCH COUNCIL--INSTITUTE OF ANIMAL PHYSIOLOGY						
HOWARD, JONATHAN C	GENETICS OF RESPONSE TO HISTOCOMPATIBILITY ANTIGENS		AI13162-02	25,664	25,621	05/79
ORGANIZATION TOTAL	1	25,664				
GLASGOW						
UNIVERSITY OF GLASGOW						
WIAS, ANTHONY H	COMBINATION OF PLATINUM COMPLEXES WITH RADIOTHERAPY		CA20593-01	36,955	36,038	07/78
ORGANIZATION TOTAL	1	36,955				

TABLE 1.--NIH RESEARCH GRANTS, BY AREA, ORGANIZATION, AND PRINCIPAL INVESTIGATOR, FISCAL YEAR 1977

LOCATION, INSTITUTION, PRINCIPAL INVESTIGATOR	PROJECT TITLE	GRANT NO.	AMOUNT AWARDED FY 1977	AMOUNT APPROVED FY1978	PROJECT END DATE
UNITED KINGDOM					
LEEDS					
UNIVERSITY OF LEEDS					
COOPER, EDWARD H	CHEMOTHERAPY OF TRANSPLANTABLE MURINE COLON TUMORS	CA18126-03	51,573		08/78
ORGANIZATION TOTAL 1	51,573				
LONDON					
UNIVERSITY OF LONDON					
BELOFF-CHAIN, ANNE	REGULATION OF INSULIN SECRETION BY THE PITUITARY	AM19488-01	26,920	27,171	03/80
CARTER, NICHOLAS D	GENETIC ISOLATES WITH HIGH INCIDENCE OF LYMPHOMA	CA19821-02	24,600	24,600	08/79
PAULING, PETER J	THE CONFORMATIONS OF CHOLINERGIC MOLECULES	NS12021-03	26,715		04/78
SIMS, PETER	METABOLIC ACTIVATION OF THE POLYCYCLIC HYDROCARBONS	CA21959-01	53,830	36,690	08/80
STEEL, G GORDON	THERAPEUTIC RESPONSE OF HUMAN TUMOR XENOGRAFTS	CA20519-01	76,998	71,367	12/79
WALL, PATRICK D	INEFFECTIVE SYNAPSES RESPIRATION	NS07710-09	16,102		05/78
WILLS, E D	EFFECTS OF RADIATION AND HYPERTHERMIA ON TUMOR LYSOSOME	CA18286-02	18,515	22,473	07/79
ORGANIZATION TOTAL 7	243,680				
NORTHWOOD					
GRAY LABORATORY					
ADAMS, GERALD E	CONFERENCE: HYPOXIC-CELL SENSITIZERS IN RADIOTHERAPY	CA21336-01	34,475		03/78
ORGANIZATION TOTAL 1	34,475				
OXFORD					
UNIVERSITY OF OXFORD					
KREBS, HANS A	REGULATION OF METABOLIC PROCESSES	AM11748-10	35,500	35,500	05/79
PIRIE, ANTOINETTE	STUDIES OF SERIOUS CORNEAL XEROPHTHALMIA	EY01937-01	39,571	28,959	05/80
VAN HEYNINGEN, RUTH E	CATARACT IN RATS DUE TO DIETARY DEFICIT OF TRYPTOPHAN	EY01548-03	22,319		05/78
WEATHERALL, DAVID J	SYNTHESIS OF FETAL HEMOGLOBIN IN HUMAN ERYTHROID CELLS	HL20905-01	57,532	33,635	04/80
ORGANIZATION TOTAL 4	154,922				

TABLE 1.--NIH RESEARCH GRANTS, BY AREA, ORGANIZATION, AND PRINCIPAL INVESTIGATOR, FISCAL YEAR 1977

LOCATION, INSTITUTION, PRINCIPAL INVESTIGATOR	PROJECT TITLE		GRANT NO.	AMOUNT AWARDED FY 1977	AMOUNT APPROVED FY1978	PROJECT END DATE
COUNTRY TOTAL	17	611,920				
URUGUAY						
MONTEVIDEO						
BIOLOGICAL SCIENCES RESEARCH INSTITUTE						
TRUJILLO-CENOZ, OMAR	NEURON DIFFERENTIATION AND SPECIFICATION IN THE EYE		EY01674-02	6,860	5,860	05/79
ORGANIZATION TOTAL	1	6,860				
COUNTRY TOTAL	1	6,860				
YUGOSLAVIA						
BELGRADE						
UNIVERSITY OF BELGRADE						
LUKATELA, GEORGIJE L	CROSS-LANGUAGE STUDIES OF PROCESSES BASIC TO READING		HD08495-03	38,665		11/78
ORGANIZATION TOTAL	1	38,665				
COUNTRY TOTAL	1	38,665				
INTERNATIONAL ORGANIZATIONS						
BELGIUM						
BRUSSELS						
EUROPEAN ORGANIZATION FOR RESEARCH ON TREATMENT OF CANCER						
TAGNON, HENRI J	COOPERATIVE CLINICAL CANCER STUDY (COORDINATING/DATA)		CA11488-08	264,014	298,286	11/78
ORGANIZATION TOTAL	1	264,014				
COUNTRY TOTAL	1	264,014				
DIST OF COL						
WASHINGTON						
PAN AMERICAN HEALTH ORGANIZATION						
ARROYAVE, GUILLERMO	AMINO ACID REQUIREMENTS OF PRESCHOOL AGE CHILDREN		AM17086-03S1	61,528		11/77
ORGANIZATION TOTAL	1	61,528				
COUNTRY TOTAL	1	61,528				
SWITZERLAND						
GENEVA						
INTERNATIONAL UNION AGAINST CANCER						
CANCNICO, ABEL N	THE 12TH INTERNATIONAL CANCER CONGRESS (UICC)		CA20904-01	250,000		01/78

TABLE 1.--NIH RESEARCH GRANTS, BY AREA, ORGANIZATION, AND PRINCIPAL INVESTIGATOR, FISCAL YEAR 1977

LOCATION, INSTITUTION, PRINCIPAL INVESTIGATOR	PROJECT TITLE		GRANT NO.	AMOUNT AWARDED FY 1977	AMOUNT APPROVED FY1978	PROJECT END DATE
		INTERNATIONAL ORGANIZATIONS				
SWITZERLAND						
GENEVA						
INTERNATIONAL UNION AGAINST CANCER						
DELAFRESNAYE, JOHN F	CANCER CENTER SUPPORT GRANT		CA05096-16	93,320	99,162	12/79
ORGANIZATION TOTAL	2	343,320				
LAUSANNE						
WORLD HEALTH ORGANIZATION--INTERNATIONAL REFERENCE CENTRE IMMUNOGLOBULINS						
NAUEL, JACQUES	PROTECTIVE IMMUNITY IN LEISHMANIASIS		AI13126-02	27,500	21,500	08/79
ORGANIZATION TOTAL	1	27,500				
COUNTRY TOTAL	3	370,820				
INT'L ORGANIZATION TOTAL	5	696,362				
GRAND TOTAL	149	6,631,542				

RESEARCH CONTRACTS

Research contracts with institutions outside the United States must comply with the criteria prescribed for foreign research grants.

Contract arrangements were made with institutions in 18 countries during FY 1977. One hundred and twenty research contracts were negotiated or modified during the year, totalling $15,172,916.

Included in this listing are location, institution, principal investigator, the amounts involved, the ending dates for each project, and the contract numbers, which are similar to grant numbers. Two zeros at the end of the contract number indicate the original negotiation, the first modification is recorded as -01, the second as -02, etc. Example: HL32983-00.

TABLE 2.--NIH RESEARCH CONTRACTS BY, AREA, ORGANIZATION, AND PRINCIPAL INVESTIGATOR, FISCAL YEAR 1977

LOCATION, INSTITUTION, PRINCIPAL INVESTIGATOR	FIELD OF INTEREST	CONTRACT NO.	DOLLARS	PROJECT END DATE
AUSTRALIA				
MELBOURNE				
WALTER AND ELIZA HALL INSTITUTE OF MEDICAL RESEARCH				
METCALF, DONALD	GRANULOCYTE AND MACROPHAGE PROLIFERATION IN LEUKEMIA	CB33854-04	134,767	10-19-77
METCALF, DONALD	ANIMAL MODELS FOR BONE MARROW TRANSPLANTATION	CB74148-00	80,901	09-19-78
MILLER, JACQUES F	TRANSFER FACTOR & DELAYED HYPERSENSITIVITY IN THE MOUSE	CB63992-01	44,320	02-28-78
MOSSAL, GUSTAV J	ROLE OF T AND B LYMPHOCYTES IN TUMOR IMMUNITY	CB23889-04	144,940	10-29-77
ORGANIZATION TOTAL	4	404,928		
SYDNEY				
ROYAL NORTH SHORE HOSPITAL				
NELSON, D S	ROLE OF THE MACROPHAGE IN TUMOR RESISTANCE	CB63973-02	76,456	10-31-77
ORGANIZATION TOTAL	1	76,456		
SYDNEY HOSPITAL				
HERSEY, PETER	DIAGNOSTIC APPLICATIONS OF ANTIBODIES TO MELANOMA	CB74120-00	41,018	09-29-78
ORGANIZATION TOTAL	1	41,018		
COUNTRY TOTAL	6	522,402		
AUSTRIA				
SALZBURG				
AUSTRIAN ACADEMY OF SCIENCES--INSTITUTE FOR MOLECULAR BIOLOGY				
KRATOCHWILL, KLAUS	RESPONSE OF EMBRYO MAMMARY GLAND TO ANDROGENIC HORMONES	CB33883-05	60,000	03-23-78
WIRL, GERHARD	STUDIES OF INFLUENCE OF MAMMARY CARCINOMA ON COLLAGEN	CB74109-00	41,600	08-14-78
ORGANIZATION TOTAL	2	101,600		
COUNTRY TOTAL	2	101,600		
CANADA				
HALIFAX				
DALHOUSIE UNIVERSITY				
RAUTAHARJU, P M	SUPPORT FOR ECG CENTER FOR PREVENTION OF HEART DISEASE	HV42911-06	236,853	12-31-77
ORGANIZATION TOTAL	1	236,853		

TABLE 2.--NIH RESEARCH CONTRACTS BY, AREA, ORGANIZATION, AND PRINCIPAL INVESTIGATOR, FISCAL YEAR 1977

LOCATION, INSTITUTION, PRINCIPAL INVESTIGATOR	FIELD OF INTEREST	CONTRACT NO.	DOLLARS	PROJECT END DATE
CANADA				
HAMILTON				
MC MASTER UNIVERSITY				
SINCLAIR, JOHN C	NEONATAL RESPIRATORY INSUFFICIENCY AND FAILURE	HR52959-02	103,500	06-29-78
UCHIDA, IRENE A	PLASMA LIPOPROTEINS IN IDENTICAL TWINS	HV72917-00	178,617	08-03-79
WITELSON, SANDRA F	NEUROANATOMY IN THE HUMAN TEMPORAL LOBES	NS62344-02	76,000	09-29-78
ORGANIZATION TOTAL	3	358,117		
MONTREAL				
MC GILL UNIVERSITY				
MACKLEM, P T	STANDARDIZATION OF MEASUREMENT OF CLOSING VOLUME	HR32902-06	149,470	08-31-78
STAHN, J W	ROOT SURFACE CARIES IN FLUORIDATED AREAS	DE62492-02	4,950	03-31-78
ORGANIZATION TOTAL	2	154,420		
MONTREAL HEART INSTITUTE				
BOURASSA, MARTIAL G	COLLABORATIVE STUDY OF SURGERY ON CORONARY ARTERIES	HV32983-08	252,770	06-15-78
ORGANIZATION TOTAL	1	252,770		
TORONTO				
HOSPITAL FOR SICK CHILDREN				
MC CLURE, PETER D	COLLECT BLOOD SPECIMENS AND SOLID TUMOR MATERIALS	CP61040-02	22,950	05-31-78
ORGANIZATION TOTAL	1	22,950		
ONTARIO CANCER INSTITUTE				
FELD, RONALD	ADJUVANT TRIALS IN RESECTABLE NON-OAT CELL LUNG CANCER	CM77152-01	178,578	03-14-78
SIMINOVITCH, LOUIS	SUPPLY OF MUTANT VERTEBRATE CELLS	CP43331-07	153,860	12-31-77
ORGANIZATION TOTAL	2	332,438		
UNIVERSITY OF TORONTO				
FARBER, EMMANUEL	BIOCHEMISTRY AND MORPHOLOGY OF HEPATIC CARCINOGENESIS	CP75879-00	83,306	01-14-78
LITTLE, ALICK	LIPID RESEARCH CLINIC	HV22917-09	1,531,434	06-30-79
ORGANIZATION TOTAL	2	1,614,740		
VANCOUVER				
UNIVERSITY OF BRITISH COLUMBIA				
KUTNEY, JAMES P	SYNTHESIS OF VINBLASTINE AND VINCRISTINE	CM23223-06	109,985	04-12-78
ORGANIZATION TOTAL	1	109,985		

TABLE 2.--NIH RESEARCH CONTRACTS BY, AREA, ORGANIZATION, AND PRINCIPAL INVESTIGATOR, FISCAL YEAR 1977

LOCATION, INSTITUTION, PRINCIPAL INVESTIGATOR	FIELD OF INTEREST		CONTRACT NO.	DOLLARS	PROJECT END DATE
CANADA					
WINNIPEG					
UNIVERSITY OF MANITOBA					
ANTHONISEN, NICHOLAS R	STUDY NOCTURNAL OXYGEN THERAPY IN HYPOXIC LUNG DISEASE		HR62943-04	372,535	09-20-78
ANTHONISEN, NICHOLAS R	INTERMITTENT POSITIVE PRESSURE BREATHING CLINICAL STUDY		HR72902-01	10,913	11-14-77
CHERNIACK, REUBEN M	STUDY TO STANDARDIZE THE MEASUREMENT OF CLOSING VOLUME		HR32903-10	167,220	12-10-78
FRIESEN, HENRY G	STUDY OF HUMAN PROLACTIN		CP43250-07	65,614	10-31-77
RIGATTO, HENRIQUE	ANTENATAL STEROID THERAPY IN THE PREVENTION OF RDS		HR62949-03	184,690	05-28-78
ORGANIZATION TOTAL	5	800,972			
COUNTRY TOTAL	18	3,883,245			
CHINA (TAIWAN)					
TAIPEI					
DONALD DEXTER VAN SLYKE MEMORIAL FOUNDATION					
PHILLIPS, ROBERT A	GI DIALYSIS AS ADJUNCT TO THERAPY OF RENAL FAILURE		AM62210-05	46,669	10-27-77
ORGANIZATION TOTAL	1	46,669			
COUNTRY TOTAL	1	46,669			
COLOMBIA					
CALI					
UNIVERSITY OF VALLE					
CUELLO, CARLOS	GEOGRAPHICAL PATHOLOGY AND EPIDEMIOLOGY OF CANCER		CP33286-06	96,566	03-31-78
DUENAS, ALVARO	HLA AND LYMPHOMA CASE CONTROL STUDY IN COLOMBIA		CP61037-01	1,500	06-29-77
ORGANIZATION TOTAL	2	98,066			
COUNTRY TOTAL	2	98,066			
FINLAND					
HELSINKI					
CENTRAL PUBLIC HEALTH LABORATORY					
MAKELA, P HELENA	CONDUCTING A FIELD TRIAL OF MENINGOCOCCUS VACCINE		AI52502-03	64,500	10-31-77
ORGANIZATION TOTAL	1	64,500			
UNIVERSITY OF HELSINKI					
MAYRY, PEKKA J	EFFECTOR MECHANISMS IN CANCER REJECTION		CB64032-01	53,650	06-27-78

TABLE 2.--NIH RESEARCH CONTRACTS BY, AREA, ORGANIZATION, AND PRINCIPAL INVESTIGATOR, FISCAL YEAR 1977

LOCATION, INSTITUTION, PRINCIPAL INVESTIGATOR	FIELD OF INTEREST		CONTRACT NO.	DOLLARS	PROJECT END DATE
FINLAND					
HELSINKI					
UNIVERSITY OF HELSINKI					
MAKELA, V OLAVI	SPECIFICITY OF ANTIGEN-BINDING RECEPTORS ON T-CELLS		CB43923-03	28,800	05-31-78
ORGANIZATION TOTAL	2	82,450			
TURKU					
UNIVERSITY OF TURKU					
HAKKINEN, ILKKA P	SCREENING FOR GASTRIC CANCER		CB64070-02	30,354	06-29-78
TOIVANEN, PAAVO	ANIMAL MODELS FOR BONE MARROW TRANSPLANTATION		CB74177-00	43,500	09-29-78
ORGANIZATION TOTAL	2	73,854			
COUNTRY TOTAL	5	220,804			
GERMANY FED R					
GOTTINGEN					
GEORG AUGUST UNIVERSITY OF GOTTINGEN					
KRAMER, P	GASTROINTESTINAL DETOXIFICATION OF HEMOFILTRATE		AM72235-00	8,000	09-26-78
ORGANIZATION TOTAL	1	8,000			
HANOVER					
HANOVER UNIVERSITY OF MEDICINE					
MOHR, ULRICH	DEVELOP ANIMAL MODEL FOR PANCREATIC CARCINOGENESIS		CP75972-00	102,000	09-29-78
ORGANIZATION TOTAL	1	102,000			
HEIDELBERG					
EUROPEAN MOLECULAR BIOLOGY ORGANIZATION					
TOOZE, JOHN	PHYSICAL CONTAINMENT OF RECOMBINANT DNA RESEARCH		RS72110-00	4,840	04-20-77
ORGANIZATION TOTAL	1	4,840			
GERMAN CANCER RESEARCH CENTER					
KRAMMER, P H	CHARACTERIZATION OF ANTIGEN-BINDING T-CELL RECEPTORS		CB74179-00	65,732	09-29-78
ORGANIZATION TOTAL	1	65,732			
COUNTRY TOTAL	4	180,572			

TABLE 2.--NIH RESEARCH CONTRACTS BY, AREA, ORGANIZATION, AND PRINCIPAL INVESTIGATOR, FISCAL YEAR 1977

LOCATION, INSTITUTION, PRINCIPAL INVESTIGATOR	FIELD OF INTEREST		CONTRACT NO.	DOLLARS	PROJECT END DATE
ISRAEL					
BET-DAGAN					
VOLCANI INSTITUTE OF AGRICULTURAL RESEARCH					
HURWITZ, SHMUEL	PARATHYROID FUNCTION IN RELATION TO BONE DISORDERS		AM72214-00	24,900	06-09-78
ORGANIZATION TOTAL	1	24,900			
JERUSALEM					
HEBREW UNIVERSITY OF JERUSALEM					
KEDAR, ELIEZER	IMMUNOTHERAPY OF MURINE LEUKEMIAS		CB64050-02	107,944	06-29-78
MENCZEL, JACOB	OSTEOPOROSIS: RELATIONSHIP OF NUTRITIONAL FACTORS		AM32204-09	112,501	05-31-78
STEIN, W D	STUDIES OF MAMMALIAN CELL TRANSPORT SYSTEMS		CP43307-07	149,968	06-24-78
STEIN, YECHEZKIEL	ESTABLISHMENT OF A LIPID RESEARCH CLINIC		HV53015-07	465,741	06-30-78
WEISS, DAVID W	ANTITUMOR RESISTANCE BY EXTRACT OF TUBERCLE BACILLI		CM12127-07	49,993	11-26-77
ORGANIZATION TOTAL	5	886,147			
ISRAELI MINISTRY OF HEALTH --CENTER OF REGISTRATION OF CANCER AND ALLIED DISEASES					
KATZ, LEAH H	STUDY OF CANCER INCIDENCE		CP33351-05	85,937	03-31-78
ORGANIZATION TOTAL	1	85,937			
REHOVOTH					
WEIZMANN INSTITUTE OF SCIENCE					
ARNON, RUTH	ANTIBODY-DRUG CONJUGATES IN THE IMMUNOTHERAPY		CB64049-01	71,750	06-29-78
BERKE, GIDEON	MOLECULAR STUDIES OF SPECIFIC CELL MEDIATED CYTOTOXICITY		CB74183-00	99,105	09-29-78
COHEN, IRUN R	TUMOR AVOIDANCE OF DESTRUCTION BY THE IMMUNE SYSTEM		CB63982-03	39,450	02-28-78
FELDMAN, MICHAEL	IN VITRO SENSITIZATION OF HUMAN LYMPHOCYTES		CB63979-02	75,165	08-31-78
HAAS, MARTIN	INDUCTION OF FUNCTIONAL DIFFERENTIATION OF T-CELLS		CB74180-00	92,915	09-29-78
HERAN-GHERA, NECHAMA	GENETIC CONTROL OF SUSCEPTIBILITY TO TUMORS		CB74151-00	100,580	09-29-78
REVEL, MICHEL	STUDY OF ALTERATION IN TRANSLATION OF GENETIC MESSAGES		CP33220-07	286,808	11-30-77
SACHS, LEO	INVESTIGATE ASPECTS OF LUNG CANCER INCIDENCE		CP02217-11	225,900	11-25-77
SEGAL, SHRAGA	IMMUNOBIOLOGY OF METASTASES		CB74185-00	48,263	09-29-78
SHAPIRO, DAVID	PRODUCE 3 RADIOLABELED GLYCOLIPID SUBSTANCES		NS52300-04	33,450	07-31-78

TABLE 2.--NIH RESEARCH CONTRACTS BY, AREA, ORGANIZATION, AND PRINCIPAL INVESTIGATOR, FISCAL YEAR 1977

LOCATION, INSTITUTION, PRINCIPAL INVESTIGATOR	FIELD OF INTEREST		CONTRACT NO.	DOLLARS	PROJECT END DATE
ISRAEL					
REHOVOTH					
WEIZMANN INSTITUTE OF SCIENCE					
SHARON, NATHAN	ISOLATION AND CHARACTERIZATION OF HUMAN PBL'S		CB74163-00	80,105	09-29-78
SHINITZKY, MEIR	ALTERED MEMBRANE MICROVISCOSITY		CB74193-00	58,680	09-29-78
SILBERBERG, ALEXANDER	STUDIES ON INTERACTIONS OF PLATELETS WITH COLLAGENS		HV52907-03	113,475	12-31-77
ORGANIZATION TOTAL	13	1,325,646			
TEL AVIV					
TEL AVIV UNIVERSITY					
FRENSDORFF, ASHER	INFLUENCE OF CARCINOGENS ON VIRAL GENE EXPRESSION		CB74118-00	96,149	09-29-78
FRENSDORFF, ASHER	IMMUNIZATION OF MICE WITH PURIFIED MMTV POLYPEPTIDES		CP71011-00	96,836	09-26-78
WITZ, ISAAC P	EARLY DETECTION OF ANTIBODIES TO SYNGENEIC MOUSE TUMORS		CB74134-00	88,721	09-29-78
ORGANIZATION TOTAL	3	281,706			
TEL HASHOMER					
CHIAM SHEBA MEDICAL CENTER					
MODAN, BARUCH	CORRELATION OF DIET EPIDEMIOLOGY OF BREAST CANCER		CB53883-04	51,200	06-29-78
MODAN, BARUCH	EPIDEMIOLOGY OF BENIGN BREAST DISEASE		CB74102-00	51,543	07-31-78
ORGANIZATION TOTAL	2	102,743			
COUNTRY TOTAL	25	2,707,079			
ITALY					
MILAN					
FARMITALIA					
ARCAMONE, FEDERICO MARIA	DERIVATIVES AND ANALOGS OF DOXORUBICIN		CM57014-02	193,163	06-29-78
BERNARDI, LUIGI	DESIGN AND SYNTHESIS OF AGLYCONES TO DOXORUBICINONE		CM57036-02	189,590	06-29-78
ORGANIZATION TOTAL	2	382,753			
MARIO NEGRI INSTITUTE FOR PHARMACOLOGICAL RESEARCH					
GARATTINI, SILVIO	COLLECTION AND SCREENING OF ANTINEOPLASTIC AGENTS		CM33720-05	193,110	12-31-77
GARATTINI, SILVIO	ANTINEOPLASTIC DRUG KINETICS		CM67064-01	75,580	06-29-78
GARATTINI, SILVIO	COMPARATIVE PHARMACOLOGY OF STEROID CONTRACEPTIVE DRUGS		HD22733-08	160,309	01-31-78

TABLE 2.--NIH RESEARCH CONTRACTS BY, AREA, ORGANIZATION, AND PRINCIPAL INVESTIGATOR, FISCAL YEAR 1977

LOCATION, INSTITUTION, PRINCIPAL INVESTIGATOR	FIELD OF INTEREST		CONTRACT NO.	DOLLARS	PROJECT END DATE
ITALY					
MILAN					
MARIO NEGRI INSTITUTE FOR PHARMACOLOGICAL RESEARCH					
SPREAFICO, FEDERICO	STUDIES IN IMMUNOCHEMOTHERAPY RESEARCH		CM53826-03	96,809	06-29-78
ORGANIZATION TOTAL	4	525,808			
NATIONAL CANCER INSTITUTE					
RILKE, FRANCO	CLASSIFICATION OF NONHODGKIN'S LYMPHOMAS		CM67115-01	21,715	09-29-78
ORGANIZATION TOTAL	1	21,715			
NATIONAL TUMOR INSTITUTE					
VERONESI, UMBERTO	STUDY OF CANCER AND BRAIN TUMORS		CM33714-11	155,069	05-31-78
VERONESI, UMBERTO	COORDINATING CENTER FOR THE CLINICAL STUDY OF MELANOMA		CM43726-06	95,375	06-14-78
ORGANIZATION TOTAL	2	250,444			
NAPLES					
UNIVERSITY OF NAPLES					
GIORDANO, CARMELO	STUDY ON AMINO ACID AND UREMIA		AM90066-11	29,500	05-31-78
GIORDANO, CARMELO	STUDY ON OXYSTARCH AND UREMIA		AM90070-09	34,000	11-24-77
ORGANIZATION TOTAL	2	63,500			
PAVIA					
UNIVERSITY OF PAVIA					
PAOLETTI, PIETRO	THERAPY OF PATIENTS WITH BRAIN TUMORS		CM67056-03	22,266	11-30-77
ORGANIZATION TOTAL	1	22,266			
PERUGIA					
UNIVERSITY OF PERUGIA					
BONMASSAR, ENZO	DRUG MODIFIED TUMOR ANTIGENS AS IMMUNOTHERAPY		CB64054-02	67,000	06-29-78
ORGANIZATION TOTAL	1	67,000			
PISA					
UNIVERSITY OF PISA					
BIANCHI, ROMANO	STUDY OF DIETARY TREATMENT OF CHRONIC UREMIA		AM80707-15	20,120	11-30-77
ORGANIZATION TOTAL	1	20,120			
COUNTRY TOTAL	14	1,353,606			

TABLE 2.--NIH RESEARCH CONTRACTS BY, AREA, ORGANIZATION, AND PRINCIPAL INVESTIGATOR, FISCAL YEAR 1977

LOCATION, INSTITUTION, PRINCIPAL INVESTIGATOR	FIELD OF INTEREST		CONTRACT NO.	DOLLARS	PROJECT END DATE
JAPAN					
NAGOYA					
AICHI CANCER CENTER					
NISHIZUKA, Y	PERINATAL ALTERATIONS-INFLUENCE ON CARCINOGENESIS		CP55650-04	68,750	02-28-78
SEGI, MITSUO	SHIFTS IN CANCER RISKS FOR SPECIFIC SITES		CP23213-07	153,798	02-28-78
ORGANIZATION TOTAL	2	222,548			
OSAKA					
OSAKA CITY UNIVERSITY					
TOKUYAMA, TAKASHI	STUDY OF STRUCTURE OF ALKALOIDS		AM42203-03	8,000	04-02-78
ORGANIZATION TOTAL	1	8,000			
TOKYO					
INSTITUTE OF MICROBIAL CHEMISTRY					
UMEGAWA, HARNO	POTENTIAL ANTITUMOR AGENTS FROM MICROBIAL ORIGIN		CM57009-03	75,000	06-29-78
ORGANIZATION TOTAL	1	75,000			
INTERNATIONAL MEDICAL INFORMATION CENTER					
TSUDA, YOSHINARI	INTERACTION BETWEEN THE ICRDB PROGRAM AND ASIA		CO75362-00	80,211	11-29-77
ORGANIZATION TOTAL	1	80,211			
JAPANESE FOUNDATION FOR CANCER RESEARCH					
IKAWA, YOJI	SUPPLY ASIATIC RODENT AND PRIMATE MATERIALS		CP71032-00	48,193	07-31-78
SAKURAI, YOSHIO	CANCER LIAISON OFFICE IN JAPAN		CM22054-08	70,500	06-19-78
ORGANIZATION TOTAL	2	118,693			
COUNTRY TOTAL	7	504,452			
NETHERLANDS					
AMSTERDAM					
NETHERLANDS CANCER INSTITUTE					
BOOT, LOURENS M	IMMUNOGENETIC STUDY OF BREAST CANCER AND LEUKEMIA		CP33368-03	90,000	02-28-78
RUNKE, PHILIP	SPERM IMMUNOLOGY		HD52834-03	45,778	05-31-78
ORGANIZATION TOTAL	2	135,778			
NETHERLANDS RED CROSS					
LOOS, J A	CRYOPRESERVATION OF HUMAN MONOCYTES		CB74164-00	45,547	09-29-78
ORGANIZATION TOTAL	1	45,547			

TABLE 2.--NIH RESEARCH CONTRACTS BY, AREA, ORGANIZATION, AND PRINCIPAL INVESTIGATOR, FISCAL YEAR 1977

LOCATION, INSTITUTION, PRINCIPAL INVESTIGATOR	FIELD OF INTEREST		CONTRACT NO.	DOLLARS	PROJECT END DATE
NETHERLANDS					
LEIDEN					
STATE UNIVERSITY OF LEIDEN					
VAN ROOD, J J	STUDY OF HISTOCOMPATIBILITY TECHNOLOGY		AI42508-07	116,098	02-28-78
ORGANIZATION TOTAL	1	116,098			
RIJSWIJK					
NETHERLANDS CENTRAL ORGANIZATION TNO					
BENTVELZEN, PETER A	STUDY OF RELEASE OF RNA TUMOR VIRUSES		CP43328-04	180,000	04-25-78
MARQUET, R L	IMMUNOGENICITY OF "SPONTANEOUS" ANIMAL TUMORS		CB64038-01	45,453	06-15-78
VAN PUTTEN, L M	COMBINATION OF RADIATION AND CHEMOTHERAPY		CM53763-02	73,151	01-31-78
ORGANIZATION TOTAL	3	298,604			
COUNTRY TOTAL	7	596,027			
NORWAY					
OSLO					
NORWEGIAN PUBLIC HEALTH SERVICE					
PEDERSEN, EINAR	STUDY OF SHIFTS IN CANCER RISKS		CP43247-04	33,604	02-28-78
ORGANIZATION TOTAL	1	33,604			
COUNTRY TOTAL	1	33,604			
SPAIN					
MADRID					
MADRID UNIVERSITY					
GOSALVEZ, MARIO	CHARACTERIZATION OF ANTITUMOR DRUGS		CM53792-04	18,528	03-31-78
ORGANIZATION TOTAL	1	18,528			
COUNTRY TOTAL	1	18,528			
SWEDEN					
GOTHENBURG					
GOTHENBURG UNIVERSITY					
HYDEN, HOLGER M	COMPACT LOW-VOLUME SELF-REGENERATING ARTIFICIAL KIDNEY		AM62200-03	63,202	08-15-78
ORGANIZATION TOTAL	1	63,202			

TABLE 2.--NIH RESEARCH CONTRACTS BY, AREA, ORGANIZATION, AND PRINCIPAL INVESTIGATOR, FISCAL YEAR 1977

LOCATION, INSTITUTION, PRINCIPAL INVESTIGATOR	FIELD OF INTEREST	CONTRACT NO.	DOLLARS	PROJECT END DATE
SWEDEN				
STOCKHOLM				
CAROLINE INSTITUTE				
BERGSTROM, JONAS	STUDY OF UREMIC TOXICOLOGY	AM22215-09	92,543	02-28-78
CASPERSSON, TORBJORN	MARKERS APPLICABLE TO GYNECOLOGIC CYTOPATHOLOGY SPECIMEN	CB43945-03	46,000	06-29-78
KLEIN, EVA	CELLS INVOLVED IN THE IMMUNE RESPONSE TO TUMORS	CB64023-01	43,800	06-27-78
KLEIN, EVA	IN VITRO IMMUNIZATION WITH AUTOCHTHONOUS HUMAN TUMOR	CB74144-00	62,000	09-29-78
KLEIN, GEORGE	ETIOLOGY OF SOME HUMAN CANCERS	CP33316-06	194,000	03-31-78
ORGANIZATION TOTAL	5 438,343			
UNIVERSITY OF STOCKHOLM				
ERNSTER, LARS	STUDY OF POLYCYCLIC HYDROCARBON METABOLISM	CP33363-07	185,000	12-24-77
ORGANIZATION TOTAL	1 185,000			
UPPSALA				
UNIVERSITY OF UPPSALA				
STENKVIST, BJORN	MORPHOLOGIC AND EPIDEMIOLOGIC ASPECTS OF BREAST CANCER	CB53968-02	110,500	06-29-78
WIGZELL, HANS	CELLS INVOLVED IN THE IMMUNE RESPONSE TO TUMORS	CB64033-01	55,000	06-27-78
WIGZELL, HANS	OBTAIN UNIQUE MARKERS FOR MONONUCLEAR CELLS	CB74129-00	50,000	09-29-78
ORGANIZATION TOTAL	3 215,500			
COUNTRY TOTAL	10 902,045			
SWITZERLAND				
GENEVA				
UNIVERSITY OF GENEVA				
ORCI, LELIO	CONDUCTING MORPHOLOGICAL STUDIES OF DIABETES	AM72213-00	48,000	09-28-78
ORGANIZATION TOTAL	1 48,000			
COUNTRY TOTAL	1 48,000			
UGANDA				
KAMPALA				
MAKERERE UNIVERSITY				
OLWENY, CHARLES M	SUPPORT FOR CANCER TREATMENT CENTER	CM71343-18	67,252	12-31-77
ORGANIZATION TOTAL	1 67,252			

TABLE 2.--NIH RESEARCH CONTRACTS BY, AREA, ORGANIZATION, AND PRINCIPAL INVESTIGATOR, FISCAL YEAR 1977

LOCATION, INSTITUTION, PRINCIPAL INVESTIGATOR	FIELD OF INTEREST		CONTRACT NO.	DOLLARS	PROJECT END DATE
COUNTRY TOTAL	1	67,252			
UNITED KINGDOM					
BELFAST					
QUEEN'S UNIVERSITY OF BELFAST					
BOYD, DEREK R	SYNTHESIS OF OPTICALLY ACTIVE BP 7,8-DIHYDRODIOL		AM62209-01	9,000	09-29-78
ORGANIZATION TOTAL	1	9,000			
CARDIFF					
VELINDRE HOSPITAL					
PRITCHARD, J A	MACROPHAGE ELECTROPHORETIC MOBILITY ASSAY		CB53956-04	6,618	09-30-77
ORGANIZATION TOTAL	1	6,618			
EDINBURGH					
INVERESK RESEARCH INTERNATIONAL					
MC GREGOR, GEORGE	MICROBIAL SYSTEMS AS PRESCREENS FOR CHEMICAL CARCINOGENS		CP75858-01	147,787	12-28-77
ORGANIZATION TOTAL	1	147,787			
LEATHERHEAD					
BRITISH FOOD MANUFACTURING INDUSTRIES RESEARCH ASSOCIATION					
HOLMES, A W	N-NITROSO COMPOUNDS AND PRECURSORS IN THE ENVIRONMENT		CP43337-04	24,716	11-30-77
ORGANIZATION TOTAL	1	24,716			
LEEDS					
UNIVERSITY OF LEEDS					
COOPER, EDWARD H	TRIALS IN GASTROINTESTINAL CANCER		CM43727-06	32,900	06-25-78
ORGANIZATION TOTAL	1	32,900			
LONDON					
BROMPTON HOSPITAL					
TURNER-WARWICK, MARGARET	HISTOCOMPATIBILITY IN HYPERSENSITIVITY LUNG DISEASES		HR62935-01	36,153	06-29-78
ORGANIZATION TOTAL	1	36,153			
MEDICAL RESEARCH COUNCIL					
KIRK, D N	PROVIDE RESEARCH RESOURCES		AM50032-15	26,444	12-31-77
ORGANIZATION TOTAL	1	26,444			

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TABLE 2.--NIH RESEARCH CONTRACTS BY, AREA, ORGANIZATION, AND PRINCIPAL INVESTIGATOR, FISCAL YEAR 1977

LOCATION, INSTITUTION, PRINCIPAL INVESTIGATOR	FIELD OF INTEREST		CONTRACT NO.	DOLLARS	PROJECT END DATE
UNITED KINGDOM					
LONDON					
UNIVERSITY OF LONDON					
ADAMS, GERALD E	SYNTHESIS OF RADIOSENSITIZING AGENTS		CM77139-00	188,979	09-29-78
BROOKES, PETER	STUDY OF NATURE OF THE POLYCYCLIC HYDROCARBON		CP33367-03	10,000	12-24-77
HARRAP, KENNETH R	DEVELOPMENT OF SYSTEM FOR COLLECTING ANTICANCER AGENTS		CM43736-06	32,000	04-30-78
HICKS, R MARIAN	PREVENTION OF EPITHELIAL CANCER BY RETINOIDS		CP75938-00	81,169	09-29-78
HICKS, R MARIAN	STUDIES OF CARCINOGENESIS IN HUMAN TISSUES		CP75955-00	61,925	09-29-78
ORGANIZATION TOTAL	5	374,073			
NOTTINGHAM					
UNIVERSITY OF NOTTINGHAM					
BALDWIN, ROBERT W	DETECTION OF TUMOR SPECIFIC ANTIGENS IN THE CIRCULATION		CB74167-00	46,424	09-29-78
BALDWIN, ROBERT W	IMMUNOTHERAPY OF C3H MURINE MAMMARY CARCINOMA		CB64042-03	78,181	06-17-78
EMBLETON, MICHAEL J	IMMUNOGENICITY OF SPONTANEOUS ANIMAL TUMORS		CB64009-01	46,475	06-17-78
ORGANIZATION TOTAL	3	171,080			
OXFORD					
UNIVERSITY OF OXFORD					
JOHNSON, PAUL	STUDY OF SUDDEN INFANT DEATH SYNDROME		ND32772-08	84,540	08-31-78
ORGANIZATION TOTAL	1	84,540			
COUNTRY TOTAL	16	913,311			
INTERNATIONAL ORGANIZATIONS					
BELGIUM					
BRUSSELS					
EUROPEAN ORGANIZATION FOR RESEARCH ON TREATMENT OF CANCER					
ATTASI, GHANEM	IN VIVO SCREENING FOR ANTICANCER ACTIVITY		CM57040-03	288,124	12-31-77
TAGNON, H J	CANCER CHEMOTHERAPY RESEARCH COLLABORATIVE OFFICE		CM53840-04	93,900	12-14-77
ORGANIZATION TOTAL	2	382,024			
COUNTRY TOTAL	2	382,024			

TABLE 2.--NIH RESEARCH CONTRACTS BY, AREA, ORGANIZATION, AND PRINCIPAL INVESTIGATOR, FISCAL YEAR 1977

LOCATION, INSTITUTION, PRINCIPAL INVESTIGATOR	FIELD OF INTEREST		CONTRACT NO.	DOLLARS	PROJECT END DATE
		INTERNATIONAL ORGANIZATIONS			
DIST OF COL					
WASHINGTON					
PAN AMERICAN HEALTH ORGANIZATION					
GILLESPIE, GEORGE W	INVESTIGATE PLAQUE IN MEDELLIN, COLOMBIA, SOUTH AMERICA		DE62457-04	30,073	07-31-78
KLEIN, ROBERT E	A STUDY OF NUTRITION AND DEVELOPMENT		HD50640-27	325,039	02-28-78
LITVAK, JORGE	LATIN AMERICAN CANCER RESEARCH INFORMATION PROJECT		CO65332-03	223,140	05-23-78
MORO, MANUEL	ESTABLISH A NONHUMAN PRIMATE PROGRAM		RS52151-06	159,000	06-29-78
ORGANIZATION TOTAL	4	737,252			
COUNTRY TOTAL	4	737,252			
FRANCE					
LYON					
WORLD HEALTH ORGANIZATION--INTERNATIONAL AGENCY FOR RESEARCH ON CANCER					
AGTHE, C	THE EVALUATION OF CARCINOGENIC RISK OF CHEMICALS TO MAN		CP45608-08	100,604	10-31-77
DAY, N E	ETIOLOGY OF ESOPHAGEAL CANCER IN IRAN		CP71048-00	176,043	06-30-79
DE THE, G BLAUDIN	SEROEPIDEMIOLOGICAL STUDY OF CARCINOMA AND LYMPHOMA		CP43296-08	725,000	01-14-78
LOGAN, W P	CANCER MORTALITY RELATED TO OCCUPATION AND SOCIAL CLASS		CP71015-00	15,750	05-31-78
MONTESANO, R	SIGNIFICANCE OF EXPERIMENTAL CARCINOGENESIS DATA		CP55630-07	202,101	12-31-77
MUIR, C S	CLEARINGHOUSE FOR ON-GOING WORK IN CANCER EPIDEMIOLOGY		CO55195-04	192,083	07-30-78
ORGANIZATION TOTAL	6	1,411,581			
COUNTRY TOTAL	6	1,411,581			
SWITZERLAND					
GENEVA					
INTERNATIONAL UNION AGAINST CANCER					
DELAFRESNAYE, JEAN	INTERNATIONAL SCIENTIST INFORMATION EXCHANGE PROGRAM		CO65341-02	297,143	12-03-77

TABLE 2.--NIH RESEARCH CONTRACTS BY, AREA, ORGANIZATION, AND PRINCIPAL INVESTIGATOR, FISCAL YEAR 1977

LOCATION, INSTITUTION, PRINCIPAL INVESTIGATOR	FIELD OF INTEREST		CONTRACT NO.	DOLLARS	PROJECT END DATE
		INTERNATIONAL ORGANIZATIONS			
SWITZERLAND					
GENEVA					
INTERNATIONAL UNION AGAINST CANCER					
WARWICK, G P	SUPPORT OF THE NCI INTERNATIONAL PROGRAMS		CO75377-00	147,654	05-31-78
ORGANIZATION TOTAL	2	444,797			
COUNTRY TOTAL	2	444,797			
INT'L ORGANIZATION TOTAL	14	2,975,654			
GRAND TOTAL	135	15,172,916			

THE SPECIAL FOREIGN CURRENCY PROGRAM

This program, administered by the Fogarty International Center, enables the National Institutes of Health to support overseas activities which contribute to the advancement of health sciences in the United States. Funded by U.S.-owned local excess currency primarily derived from the sale of surplus U.S. agricultural commodities, these activities include biomedical research, and the translation and dissemination of scientific literature. Seven countries, listed below, have active projects in this program under Public Law 480, section 104 b, as amended.

The numbering system for Special Foreign Currency Program agreements differs from that used for other types of awards. The two letters identify the collaborating Institute, and the first two digits indicate the participating country; 01 - India, 02 - Yugoslavia, 03 - Egypt, 05 - Poland, 06 - Israel, 07 - Tunisia, and 08 - Pakistan. The following three digits denote the agreement number, and the final letter shows the cognizant DHEW agency. Example: CA-01-026-N.

TABLE 3.--SPECIAL FOREIGN CURRENCY PROGRAM

CITY, COUNTRY, INSTITUTION AND PRINCIPAL INVESTIGATOR	PROJECT NUMBER	PROJECT TITLE	PROJECT END DATE
EGYPT			
ALEXANDRIA			
UNIVERSITY OF ALEXANDRIA			
AKAR, ADEEB B	ES-03-040-N	DEVELOPMENT OF A MODEL FOR METHANOL POISONING	05-04-80
SAID, MOHYI E	EY-03-024-N	ECOLOGY OF TRACHOMA AND OTHER EYE INFECTIONS	09-30-78
ASSIUT			
UNIVERSITY OF ASSIUT			
MOUSSA, GALAL	LM-03-503-N	STUDIES IN THE HISTORY OF ARABIC MEDICINE AND THERAPY	12-13-77
CAIRO			
AIN SHAMS UNIVERSITY			
HASHEM, NEMAT	HD-03-007-N	GENETIC ANOMALIES IN EGYPT	12-31-77
MOHAMED, AHMED M	NS-03-006-N	VENOMS OF POISONOUS SNAKES	12-30-79
WAHBA, FARAG NAGI	NS-03-028-N	BIOCHEMISTRY OF ENZYMES AND TOXINS IN SNAKE VENOMS	04-20-79
AL-AZHAR UNIVERSITY			
ABDEL-WAHAB, K S E	AI-03-030-N	TICKBORNE VIRUSES IN VECTOR AND HOST CELLS	04-07-80
HEFNAWI, FOUAD	HD-03-026-N	LIVER PHYSIOPATHOLOGY IN BILHARZIAL CONTRACEPTIVE USERS	04-15-78
AL-AHRAM PUBLISHING HOUSE			
IBRAHIM, FOUAD	LM-03-506-N	TRANSLATIONS, ABSTRACTS, PUBLICATIONS PROGRAM	09-30-79
CAIRO UNIVERSITY			
EL BOLKAINY, M N	CA-03-039-N	CYTOLOGIC DETECTION OF BILHARZIAL BLADDER CANCER	08-22-79
EGYPT MINISTRY OF PUBLIC HEALTH			
EL KHOLY, AZIZ	AI-03-034-N	EPIDEMIOLOGY OF MENINGITIS DUE TO H INFLUENZAE	02-10-79
EL KHOLY, AZIZ	AI-03-050-N	EPIDEMIOLOGIC & CLINICAL STUDIES OF SCHISTOSOMIASIS	08-03-80
GABR, MAMDOUH	AM-03-052-N	PRACTICAL APPROACHES TO COMBAT MALNUTRITION	01-26-78
FRANKLIN BOOK PROGRAMS			
KYLE, JOHN H	LM-03-505-N	TRANSLATIONS, ABSTRACTS, PUBLICATIONS PROGRAM	05-31-78
NATIONAL RESEARCH CENTER			
KAMEL, MAMDOUH Y H	AI-03-051-N	BIOCHEMISTRY & PHYSIOLOGY OF TICK VECTORS	07-29-80

TABLE 3.--SPECIAL FOREIGN CURRENCY PROGRAM

CITY, COUNTRY, INSTITUTION AND PRINCIPAL INVESTIGATOR	PROJECT NUMBER	PROJECT TITLE	PROJECT END DATE
EGYPT			
CAIRO			
U.S. DEPARTMENT OF THE NAVY--MEDICAL RESEARCH UNIT NO 3			
HOOGSTRAAL, HARRY	AI-03-036-N	TICK, VERTEBRATE & INFECTIOUS AGENT INTERRELATIONSHIPS	09-28-77
MINER, W F	LM-03-504-N	WORLDWIDE BIBLIOGRAPHY OF LEISHMANIASIS	06-30-78
UNIVERSITY OF MICHIGAN FIELD FACILITIES			
HARRIS, JAMES E	DE-03-011-N	NUBIAN GROWTH, DEVELOPMENT AND ORAL HEALTH	09-30-78
GHIZA			
CAIRO UNIVERSITY			
HOSSEIN, M F	AI-03-035-N	IMMUNOLOGICAL STUDIES IN REPTILES	07-16-78
ELSEBAI, ISMAIL	CA-03-048-N	END RESULTS OF CARCINOMA OF THE BILHARZIAL BLADDER	09-08-82
MANSOURA			
MANSOURA UNIVERSITY HOSPITAL			
GHONEIM, MOHAMED A	CA-03-041-N	RADIATION & CYSTECTOMY IN BILHARZIAL BLADDER CARCINOMA	09-21-79
INDIA			
BANGALORE			
INDIAN INSTITUTE OF SCIENCE			
GANGULY, J	AM-01-005-N	VITAMIN A METABOLISM	09-30-77
RAMAKRISHNAN, T	AI-01-085-N	GENETIC CODING IN MYCOBACTERIA	06-25-78
RAO, C N R	AM-01-078-N	HYDROGEN BONDING IN MOLECULES OF BIOLOGICAL INTEREST	01-12-77
BOMBAY			
B.Y.L. NAIR CHARITABLE HOSPITAL			
DALAL, PRAFUL	NS-01-016-N	NEUROLOGIC INVESTIGATIONS OF CEREBROVASCULAR DISORDERS	06-30-77
CANCER RESEARCH INSTITUTE			
SAHASRABUDHE, M B	CA-01-010-N	CANCER CHEMOTHERAPY	02-09-78
TATA INSTITUTE OF FUNDAMENTAL RESEARCH			
MEHTA, FALI S	CA-01-022-N	ORAL CANCER AND ASSOCIATED ORAL CONDITIONS	03-31-78
CHANDIGARH			
POSTGRADUATE INSTITUTE OF MEDICAL EDUCATION AND RESEARCH			
MEHTA, SAROJ	NS-01-041-N	EFFECT OF PROTEIN MALNUTRITION ON BRAIN METABOLISM	02-28-78

TABLE 3.--SPECIAL FOREIGN CURRENCY PROGRAM

CITY, COUNTRY, INSTITUTION AND PRINCIPAL INVESTIGATOR	PROJECT NUMBER	PROJECT TITLE	PROJECT END DATE
INDIA			
HYDERABAD			
OSMANIA UNIVERSITY			
RAMACHANDRAN, L K	NS-01-040-N	POLYPEPTIDE CONSTITUENTS OF SNAKE (NAJA NAJA) VENOMS	09-18-78
LUCKNOW			
INDIAN COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH--CENTRAL DRUG RESEARCH INSTITUTE			
DHAR, M M	CA-01-004-N	DEVELOPMENT OF THERAPEUTIC AGENTS AGAINST CANCER	09-14-78
MYSORE			
CENTRAL FOOD TECHNOLOGICAL RESEARCH INSTITUTE			
PARPIA, A A B	AM-01-001-N	PROTEIN MALNUTRITION AND PROTEIN SUPPLEMENTS	09-29-78
NEW DELHI			
AMERIND PUBLISHING COMPANY			
PRIMLANI, MOHAN	LM-01-513-N	TRANSLATIONS, ABSTRACTS, PUBLICATIONS PROGRAM	03-31-80
VELLORE			
CHRISTIAN MEDICAL COLLEGE			
PEREIRA, SHEILA M	AM-01-002-N	NUTRITIONAL DEFICIENCIES IN SOUTHERN INDIA	09-30-78
ISRAEL			
JERUSALEM			
ISRAEL JOURNAL OF SCIENCE			
PRIWES, MOSHE	LM-06-501-N	HEALTH RESEARCH COMMUNICATIONS PROGRAM	06-30-78
ISRAEL PROGRAM FOR SCIENTIFIC TRANSLATIONS			
RISCHIN, YITZHAK	LM-06-503-N	TRANSLATIONS, ABSTRACTS, PUBLICATIONS PROGRAM	12-31-76
PAKISTAN			
KARACHI			
INDIVIDUAL AWARD--SAAD, GETI			
SAAD, GETI	LM-08-502-N	TRANSLATIONS, ABSTRACTS, PUBLICATIONS PROGRAM	12-31-78

TABLE 3.--SPECIAL FOREIGN CURRENCY PROGRAM

CITY, COUNTRY, INSTITUTION AND PRINCIPAL INVESTIGATOR	PROJECT NUMBER	PROJECT TITLE	PROJECT END DATE
PAKISTAN			
KARACHI			
JINNAH POSTGRADUATE MEDICAL CENTER			
KHAN, M YUNUS	HD-08-016-N	REPRODUCTION AFTER EARLY STEROID TREATMENT	12-31-76
LAHORE			
PAKISTAN COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH			
AHMAD, YUSUF	GM-08-018-N	MEDICINAL AGENTS FROM PLANTS OF PAKISTAN	09-30-78
SIDDIQI, SALMAN	AI-08-020-N	BACTERIOLOGY OF TUBERCULOSIS IN PAKISTAN	10-22-79
POLAND			
KRAKOW			
COPERNICUS SCHOOL OF MEDICINE			
SPLAWINSKI, JACEK	NS-05-083-N	PROSTAGLANDIN FEVER CATECHOLAMINE	08-31-79*
SZCZEKLIK, ANDRZEJ	AI-05-082-N	ASPIRIN-SENSITIVE ASTHMA & PROSTAGLANDIN BIOSYNTHESIS	03-31-79*
KRAKOW TECHNICAL UNIVERSITY			
STOKLOSOWA, STANISLAWA	HD-05-040-N	HORMONAL REGULATION OF FOLLICULAR FUNCTION (IN VITRO)	09-30-77**
MEDICAL ACADEMY			
HANICKI, Z J	AM-05-081-N	MIDDLE SIZE MOLECULES IN UREMIC TOXEMIA	03-31-79*
PTAK, WLODZIMIERZ	AI-05-042-N	CYTOPHYILIC ANTIBODY AND TRANSFER OF SKIN REACTIONS	12-31-78
LODZ			
MEDICAL ACADEMY			
ALWASIAK, J	NS-05-013-N	BIOLOGY AND HISTOCHEMISTRY OF GLIOMAS	07-31-77
POZNAN			
MEDICAL ACADEMY			
BACZYK, KAZIMIERZ	AM-05-084-N	TRANSFER ACROSS PERITONEAL AND INTESTINAL MEMBRANES	03-31-79*
GEMBICKI, MACIEJ	AM-05-072-N	GONADOTROPIN EFFECTS ON LH-RELEASING HORMONE	08-31-79*
KOSOWICZ, JERZY	AM-05-073-N	THRIEODOTHYRONINE & THYROXINE ANTISERA IN THYROID CRISIS	12-31-77**
WENDER, MIECZYSLAW	NS-05-092-N	BIOCHEMISTRY OF OLIGODENDROGLIA, MYELIN & DEMYELINATION	03-31-78*

* MARIE SKLODOWSKA-CURIE JOINT FUND
** FUNDED UNDER DHEW AGREEMENT #05-001-0

TABLE 3.--SPECIAL FOREIGN CURRENCY PROGRAM

CITY, COUNTRY, INSTITUTION AND PRINCIPAL INVESTIGATOR	PROJECT NUMBER	PROJECT TITLE	PROJECT END DATE
POLAND			
WARSAW			
CENTER FOR SCIENTIFIC, TECHNICAL AND ECONOMIC INFORMATION			
DERENTOWICZ, M	LM-05-508-N	TRANSLATIONS, ABSTRACTS, PUBLICATIONS PROGRAM	12-31-80
COORDINATING COMMISSION FOR POLISH-AMERICAN SCIENTIFIC COLLABORATION			
JELJASZEWICZ, JANUSZ	LM-05-516-N	HEALTH RESEARCH COMMUNICATIONS PROGRAM	12-31-80
INSTITUTE OF HEMATOLOGY			
KOSCIELAK, JERZY	HL-05-043-N	ABO ACTIVE SUBSTANCES OF HUMAN ERYTHROCYTES	12-31-77
RUDOWSKI, WITOLD	LM-05-509-N	BURNS AS A THERAPEUTICAL AND RESEARCH PROBLEM	12-31-76
INSTITUTE OF ONCOLOGY			
KOSZAROWSKI, TADEUSZ	CA-05-093-N	EPIDEMIOLOGY OF CANCER	07-31-79*
MEDICAL ACADEMY			
BARANSKI, STANISLAW	LM-05-513-N	BIOLOGICAL EFFECTS OF MICROWAVES	07-31-77
HAUSMANOWA-PETRUSEWICZ, IRENA	NS-05-002-N	CHARACTERISTICS OF MUSCLE DISEASE	05-31-78
MOTHER AND CHILD RESEARCH INSTITUTE			
WIOR, HALINA	HD-05-033-N	EFFECTS OF ABORTION ON WEIGHT OF SUBSEQUENT OFFSPRING	12-31-78*
NENCKI INSTITUTE OF EXPERIMENTAL BIOLOGY			
DRABIKOWSKI, WITOLD	HL-05-015-N	PROPERTIES OF ACTIN AND OTHER MUSCLE PROTEINS	12-31-78
POLISH ACADEMY OF SCIENCES			
BAGDASARIAN, MICHAL	AM-05-089-N	REGULATION OF LIFE CYCLE IN BACTERIA	04-30-79*
GAJEWSKI, WACLAW	GM-05-051-N	FUNGAL GENETICS	09-29-78**
OSETOWSKA, EVA	NS-05-035-N	BRAIN STRUCTURE IN RABBITS WITH HEREDITARY TREMOR	09-30-78
RYWIK, STEFAN	HL-05-055-N	MULTIFACTORIAL PREVENTION OF CHD - WARSAW STUDY	10-31-79**
STATE INSTITUTE OF HYGIENE			
MADALINSKI, KAZIMIERZ	CL-05-086-N	PREPARATION OF MONOSPECIFIC REAGENTS FOR HBSAG SUBTYPES	03-31-78*
TUBERCULOSIS RESEARCH INSTITUTE			
MANOWSKA, WANDA	AI-05-011-N	BACTERIOPHAGE TYPING OF MYCOBACTERIA	01-31-78**

* MARIE SKLODOWSKA-CURIE JOINT FUND
** FUNDED UNDER DHEW AGREEMENT #05-001-0

TABLE 3.--SPECIAL FOREIGN CURRENCY PROGRAM

CITY, COUNTRY, INSTITUTION AND PRINCIPAL INVESTIGATOR	PROJECT NUMBER	PROJECT TITLE	PROJECT END DATE
POLAND			
WROCLAW			
MEDICAL ACADEMY			
DOBRYSZYCKA, WANDA	AM-05-056-N	CHARACTERIZATION OF HAPTOGLOBIN	03-31-79*
LISOWSKA, ELWIRA	AM-05-068-N	ANTIGENS OF HUMAN ERYTHROCYTES	06-30-78**
TUNISIA			
TUNIS			
NATIONAL CANCER INSTITUTE			
MOURALI, NEJIB	CA-07-002-N	STUDIES ON INFLAMMATORY BREAST CARCINOMA IN TUNISIA	11-16-80
TUNISIA AGENCY OF PUBLIC RELATIONS			
AZZOUZ, AZZEDINE	LM-07-501-N	TRANSLATIONS, ABSTRACTS, PUBLICATIONS PROGRAM	12-31-79
YUGOSLAVIA			
BELGRADE			
CENTER FOR MULTIDISCIPLINARY STUDIES--UNIVERSITY OF BELGRADE			
GLISIN, VLADIMIR R	NS-02-020-N	FUNCTION AND BIOSYNTHESES OF RIBOSOMES	12-31-77
GLISIN, VLADIMIR R	NS-02-090-N	GENE TRANSCRIPTION AND EXPRESSION	12-31-77***
SULOVIC, V	NS-02-006-N	HISTOGENESIS OF THE FOREBRAIN	12-31-78***
FEDERAL INSTITUTE OF PUBLIC HEALTH			
KOZAREVIC, DJORDJE	HL-02-043-N	ETIOLOGIC AND RISK FACTORS IN RESPIRATORY DISEASE	12-31-77
PIRC, BOJAN	HL-02-001-N	INCIDENCE OF HYPERTENSION AND CORONARY DISEASE	12-31-78
INSTITUTE FOR BIOLOGICAL RESEARCH			
ANDJUS, RADOSLAV K	NS-02-042-N	BRAIN SURVIVAL IN ANOXIA AND HYPOTHERMIA	12-31-76***
SIMIC, MIROSLAV M	HD-02-017-N	IMMUNOLOGIC COMPETENT STEM CELLS	12-31-77***
NOLIT PUBLISHING HOUSE			
LAZAREVIC, SAVA	LM-02-501-N	TRANSLATIONS, ABSTRACTS, PUBLICATIONS PROGRAM	12-31-76
SERBIAN ACADEMY OF SCIENCES AND ARTS			
RAKIC, LJUBISA	NS-02-003-N	NEURAL CORRELATES OF BEHAVIOR	12-31-78***

* MARIE SKLODOWSKA-CURIE JOINT FUND
** FUNDED UNDER DHEW AGREEMENT #05-001-0
***U.S. - YUGOSLAVIA JOINT FUND

TABLE 3.--SPECIAL FOREIGN CURRENCY PROGRAM

CITY, COUNTRY, INSTITUTION AND PRINCIPAL INVESTIGATOR	PROJECT NUMBER	PROJECT TITLE	PROJECT END DATE
YUGOSLAVIA			
LJUBLJANA			
UNIVERSITY OF LJUBLJANA			
BRZIN, M	NS-02-068-N	FUNCTION OF CHOLINESTERASES	12-31-77***
VETERINARY INSTITUTE OF SLOVENIA			
SENEGACNIK, JURIJ	HD-02-064-N	BIOCHEMICAL TESTS OF SPERM IN RELATION TO FERTILITY	12-31-78***
PULA			
COMMUNICABLE DISEASES CENTER			
MARETIC, ZVONIMIR	LM-02-502-N	ARACHNIDISM	06-04-78
RIJEKA			
UNIVERSITY OF ZAGREB			
JURETIC, MIRO	LM-02-503-N	PRIMARY HERPETIC INFECTION	12-31-77
ZAGREB			
INSTITUTE OF PUBLIC HEALTH OF CROATIA			
KULCAR, ZIVCO	LM-02-504-N	EPIDEMIOLOGY OF FUNCTIONAL PSYCHOSES	06-30-78***
RUDJER BOSKOVIC INSTITUTE			
BORANIC, MILIVOJ	CA-02-067-N	IMMUNOSUPPRESSIVE AND ANTILEUKEMIC ACTIVITY	12-31-76***
FUREDI-MILHOFER, HELGA	DS-02-002-N	TISSUE MINERALIZATION IN BONE AND TEETH	04-30-78***
KOSTOVIC, IVICA	NS-02-041-N	SYNAPTIC TRANSMISSION IN BRAIN	12-31-76
PRAVDIC, NEVENKA	AM-02-010-N	CHEMISTRY OF N-ACETYLMANNOSAMINE	12-31-76***
SUPEK, ZLATKO	NS-02-015-N	METABOLISM, RELEASE AND UPTAKE OF 5-HYDROXYTRYPTAMINE	09-30-78***
UNIVERSITY OF ZAGREB			
BARAC, BOSKO	NS-02-023-N	VESTIBULAR INFLUENCES ON CEREBRAL ACTIVITY	01-31-78***
KASTELAN, ANDRIJA	AI-02-057-N	INDUCTION AND MAINTENANCE OF THE TOLERANT STATE	12-31-78***
KESIC, BRANKO	LM-02-505-N	EPIDEMIOLOGY OF GASTRIC CANCER	06-30-78***
LIPOVAC, VASKRESENIJA	NS-02-032-N	SIALIDASE ACTION ON COMPLEX MOLECULAR AGGREGATES	12-31-76***
MARICIC, SINISA L	GM-02-004-N	INTERACTION OF BIOPOLYMERS WITH SMALL MOLECULES	09-30-78***
MILKOVIC, STEVAN	HD-02-022-N	PITUITARY AND ADRENALS IN PERINATAL LIFE	12-31-76
SUNKO, DIONIS	AM-02-011-N	A-DEUTERIUM ISOTOPE EFFECTS IN ALKYLATION REACTIONS	09-30-78***

***U.S. - YUGOSLAVIA JOINT FUND

THE VISITING PROGRAM

The Visiting Program undertakes to obtain the assistance and services of outstanding young scientists who, along with their training schedules, can make a singular contribution to the research work of the NIH and, upon returning to their respective research centers, will contribute materially to its excellence and productive capacities.

Under this program, NIH Institutes and Divisions invite scientists of their choice to participate in one of three program categories; unsolicited applications are not accepted. In contrast to senior scientists, the Visiting Fellow is appointed for the purpose of receiving training and it is the responsibility of the sponsor to provide educational practices commensurate with the responsibility usually assumed by university faculty members for their post-doctoral fellows.

ARGENTINA

VA	CHEFELINSKY, ANA	20,817*
VF	CIGORRAGA, SELVA	11,116
VF	DUBROVSKY, ALBERTO	5,209
VA	PODESTA, ERNESTO	19,173
VF	RODRIGUEZ, MARCOS	11,783
VF	SALA, GRACIELA	9,609
VF	SCLANO, ANGELA	4,594
	* *	
VS	BRAYLAN, RAUL C.	32,899
VA	DE MONASTERIO, FRANCISCO	20,881
VA	MONTEMAYOR, GRACIELA	18,655
VS	SAAVEDRA, JUAN	26,489

AUSTRALIA

VF	CALLEN, DAVID F.	11,890
VA	CARTER, RICHARD	20,609
VF	DUNLOP, MALCOLM	1,325
VS	HARRISON, LEONARD	6,462
VA	JARRETT, DAVID	6,228
VS	KIDSON, CHEVIOT	9,029
VA	MC BURNEY, ROBERT	19,426
VF	FAILTHORPE, BERNARD	2,667
VF	ROBERTS, GLADWIN	4,020
VF	ROSENBERG, YVONNE	9,047
VF	WALMSLEY, BRUCE	11,757
VF	WEATHERBY, ROBERT	11,389
VF	WHELER, GLYNNE	3,150
VS	ZIGAS, VINCENT	10,923
	* *	
VA	FRENCH, ROBERT	17,231
VF	GORMAN, JEFFREY	7,557
VS	MASTERS, COLIN	1,111
VA	TEYCHENNE, PAUL	23,420

AUSTRIA

VS	JENTZSCH, KATHE	18,688
VF	KURZ, JOHANN	11,355
VF	PICHLER, WERNER	3,395
VF	POCKBERGER, HELMUT	7,410
VF	STINGL, GEORG	8,845

BANGLADESH

	* *	
VA	BHATTACHARJEE, APURBA	11,956

BELGIUM

VF	CHARLES, DANIEL	939
VF	DAMBLY, CHRISTINE	3,848
VF	DE MEYTS-GRAITSON, M.	11,690
VF	DUYSENS, JACQUES	8,742
VA	GANGJI, DIAMON	15,000
VF	GANGULY, ASOK	11,630
VA	GLINCER, DANIEL	5,308
VF	HOOGHE-PETERS, ELISABETH	9,627
VA	JACQUEMIN, PAUL	2.846
VA	LIEBAERS, INGEBORG	15,686
VF	MAISTON, EVELYN S.	841
VA	MENTIER-DELRUE, FRANCOISE	4,850
VF	MENTIER, BERNARD	11,291
VA	ROZENCWEIG, MARCEL	21,997
VA	VAN OBBERGHEN, EMMANUEL	15,690
VF	VAN POTTELSBERGHE, C.	10,815
VS	VAN STEIRTEGHEM, A.	21,480
	* *	
VS	DE CROMBRUGGHE, BENOIT	14,033
VS	DUBOIS-DALCQ, MONIQUE	28,905

BOLIVIA

VS	MARINKOVIC UZQUEDA, T.	4,452

BRAZIL

VF	BARCINSKI, MARCELLO	759
VF	DE AZEREDO, FERNANDO	3,802
VF	DE MELLO, MARIA	279
VF	GUSMAO, RENATO	11,324
VA	HELAL, JOHN	4,382
VF	SANTOS, NELSON	8,865
VF	WACHSLICHT, HELENA	8,919

BULGARIA

VS	UZUNOV, PETKO	6,214

CAMEROON

VA	MARTIN, SAMUEL K.	16,055
VF	MUNA, WALINJOM	9,243

* COLUMN INDICATES TOTAL AMOUNT SPENT IN FY77
* * PERSONS LISTED BELOW THIS MARKER WITHIN A COUNTRY ARE RESIDENT ALIENS

CANADA

VF	BLUM, MAX	10,701
VF	BULLER, MARK	11,316
VF	CHAGLA, ABDUL HAMID	4,088
VS	GROF, PAUL	17,960
VA	JOHNSON, JAMES G.	16,067
VS	LEE, HOWARD	20,386
VA	LUCHINS, DANIEL	4,923
VF	MANN, PAUL L.	11,049
VF	MURRAY, GARY	3,490
VF	NADEAU, DENIS	11,449
VF	NAWROT, PETER S.	11,090
VF	NEUWIRTH, MARIA	2,465
VF	NGUYEN, NGUYET	9,881
VF	PANG, KIM-CHING	10,849
VF	REICHSTEIN, ESTHER	10,916
VF	ROULEAU, MAURICE	4,762
VF	SUSMAN, ELIZABETH	10,100
	• •	
VA	BIND, JOHN R.	26,157
VA	HILL, JAMES LESLIE	2,406
VS	JONES, ALFRED ERIC	38,594
VF	LEIBHENDLER, ISRAEL	7,762
VS	MC MILLAN, GARDNER	43,582
VS	PARRY, DILYS	21,374
VF	SCHUT, HERMAN	13,271
VS	STEPHENSON, JOHN	20,560
VA	STEWART, MARGARET	18,047
VF	SUTHERLAND, JOHN	11,383
VF	TILGHMAN, SHIRLEY	11,756

CHILE

VS	AGUILERA, GRETI	5,577
VA	GENTINA, MARIA	5,696
VS	VIVEROS, OSVALDO	13,600

COSTA RICA

	• •	
VF	MORALES, NYDIA	11,423

CZECHOSLOVAKIA

VS	KVETNANSKY, RICHARD	19,169
	• •	
VF	POCHOBRODSKY, JIRI	11,916
VS	SLAVIK, MILAN	35,786

DENMARK

VF	AUTRUP, HERMAN	5,250
VF	KNUDSEN, BODIL	5,716
VF	MATHIESEN, LARS	330
VA	SOBIESZEK, APOLINARY	18,399

EGYPT

VF	ABBASI, MOHAMED	12,824
VF	EL-HAMASS, MOHAMED	9,683
VA	ELMAMOUN, TAHANI	14,780
VA	MOSTAFA, MOSTAFA H.	6,020
	• •	
VF	AHMED, MAHMD	11,090
VF	DOCTOR, FOUAD N.	1,022

FINLAND

VF	LINNOILA, ILONA	12,023
VS	TERAVAINEN, HEIKKI	6,130

FRANCE

VF	BUDA, MICHAEL	7,161
VF	KANELLOPOULOS, COLETTE	11,223
VF	KERTESZ, JUDITH CRISBA	2,728
VF	MOREAU, MARIE-CLAUDE	7,253
VF	MOYNET, DANIEL	8,152
VF	POUYSSEGUR, JACQUES	2,817
VF	THIERRY, FRANCOISE	9,016
VS	TOUPIANA, RAOUL	3,862
VF	VAN DORSSELAER, ALAIN	3,566
VA	VAN DORSSELAER, VIVIANE	13,169

GERMANY

VF	BORNER, HILDEGARD	4,319
VA	BREITKREUTZ, DIRK	13,782
VA	BURGERMEISTER, WOLFGANG	14,684
VA	DUSING, RAINER	1,566
VF	FERDINAND, FRANZ-JOSEF	12,323
VF	KUSTER, JURGEN	4,605
VA	LOPEZ, JUAN MANUEL	14,454
VS	MARQUARDT, HANS	514
VF	MICHELMANN, HANS-WILHELM	11,427
VA	NOLL, GOTTFRIED	19,248
VF	PRZYBYLSKI, MICHAEL	8,481
VF	SIEDEL, JOACHIM	10,782
	• •	
VS	CHEN, ROBERT	7,542
VS	GULLNER, HANS-GEORG	2,106
VS	LUETZELER, JOSEF	18,585
VS	RAPP, ULF	19,743
VF	SCHUBERT, MANFRED	2,766

GREECE

	VP	DOROVINI-ZIS, K.	8,540
	VP	PAPAMATHEAKIS, JOSEPH	12,360
	VP	SAVAKI, HELEN	10,466
	VP	TALIADOUROS, GEORGE	10,716
	VA	TSITOURAS, PANAYIOTIS	19,643
	VS	ZIOUZIOU, CHRISTINE	2,600
		• •	
	VP	DAIAKAS, MARINOS	2,984
	VP	MOUTSOPOULOS, H.	9,092
	VP	PANTAZIS, PANAGIOTIS	503
	VP	SAVIOLAKIS, GEORGE	9,671

GUATEMALA

	VP	[illegible] ARIKADO	10,849

HAITI

		• •	
	VP	MATHELIER, HANSIE	11,290

HONG KONG

	VP	LAW, MING-PAN	1,758
		• •	
	VP	CHAN, HARDY	11,357
	VP	PANG, ROY HO	12,490
	VA	SHUM, SHU	19,234

HUNGARY

	VA	CSAK, EVA	9,901
	VP	FESUS, LAZLO	6,329
	VP	PALLAI, PETER	11,890
	VA	SIPKA, SANDOR	6,499

ICELAND

		• •	
	VS	THORGEIRSSON, SNORRI	29,203

INDIA

	VP	AGRAWAL, ASHOK K.	6,579
	VP	AHMAD, FAIZAN	11,690
	VP	ANANDARAJ, M.P. JACOB	11,243
	VP	ANDREWS, GEORGE	5,256
	VA	ANSARI, AFTAB	17,227
	VP	BAHUGUNA, LALIT M.	5,724
	VP	BHAT, PANGALA	11,090
	VP	BHAT, U. KRISHNA	10,424
	VA	BHATNAGAR, SURENDRA	13,723
	VP	BHATTACHARYA, ALOK	8,642
	VA	BHATTACHARYYA, B.	2,616
	VP	BONDADA, SUBBA RAO	10,983
	VP	CHAKRABARTTY, PRAN	11,953
	VP	CHAUDHARI, ANSHUMALI	11,856
	VP	CHAUDHARY, SUNIL	8,760
	VP	CHITNIS, MANIK	13,1154
	VP	DAS, ASIS KUMAR	12,5335
	VP	DAS, MANOJ	10,746
	VP	DEOBAGKAR, DILEEP	2,330
	VP	DEVARE, SUSHILKUMAR	11,583
	VS	DHAR, RAVI	20,986
	VP	GAFFAR, SHAIK ABDUL	9,604
	VA	GHOSH, ABHA	19,000
	VA	GOTHOSKAR, SUNANDA	4,793
	VA	GOVIL, GIRJESH	18,554
	VP	HANNAH, RITA	2,703
	VP	KALYANARAMAN, V.S.	487
	VP	KHAN, MASOOD	10,138
	VP	KOHLI, KRISHAN K.	7,379
	VP	KOSHY, RAJEN	10,325
	VP	LAKSHMANAN, J.	12,084
	VP	MAHESHWARI, RADHA	1,333
	VA	MUKHTAR, HASAN	17,000
	VP	MUKKU, VENKAT	4,095
	VA	MUTHUKRISHNAN, S.	16,000
	VP	NAGAIAH, KAPALAVAYI	12,290
	VP	NAKHASI, HIRA LAL	6,768
	VP	NAMBOODIRI, ARYAN	11,267
	VP	PATEL, JAWAHARLAL	11,724
	VA	RAHMAN, MOHAMAD	11,633
	VP	RAJ, H. G.	12,490
	VP	RAKHIT, GOPA	10,383
	VA	RAMANATHAN, RAGHUPATHY	346
	VP	RAO, C. NARAYANA	12,755
	VP	RAO, K. GURUDATH	6,226
	VP	RATH, NARAYAN C.	6,232
	VP	REDDY, T.L. PRASADA	11,755
	VP	REDDY, TIRUMURU V.	8,330
	VA	ROY, AUROBINDO	17,512
	VP	RUSTGI, SURENDRA	11,890
	VS	SAHIB, MAHARAJ	16,879
	VP	SEN, ARUP	3,697
	VP	SHARMA, RAJENDRA	1,709
	VP	SINGH, ASHOK	355
	VP	SIVARAJAN, M.	2,486

VF	TANDON, NARENDRA NATH	11,703
VF	VASANTHA, NAGARAJAN	10,382
VF	VEMBU, DEVI T.	8,821
VF	VENKATASUBRAMANIAN, K.	6,732
VF	VENUGOPALAN, VAZHIYIL	5,046
VF	VERMA, ANIL K.	10,762
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VA	ACHARYA, A. SEETHARAMA	18,334
VF	ASWANIKUMAR, S.	12,360
VA	ATHWAL, RAGHBIR	18,000
VF	BARLOW, BERYL	11,583
VA	BATTULA, NARAYANA	1,461
VS	BEG, ZAFURUL	20,579
VF	BENGALI, ZAKIR	12,579
VF	BHOOSHAN, BHARAT	12,220
VS	DESAI, BINDU T.	13,054
VA	GOPALAKRISHNAN, T.V.	17,427
VA	JESTE, DILIP V.	5,220
VF	JOSHI, AVINASH	11,690
VF	KAPOOR, CHIRANJIV	12,290
VS	KRISHNA, GOPAL A.	27,906
VA	KRISHNAN, NAGASWAMY	2,650
VF	LAD, PRAMOD	11,549
VA	MANJULA, BELUR	16,300
VF	MENON, GOVIND	2,179
VA	MUKHERJEE, ANIL	22,179
VA	NATH, JAYASREE	19,230
VF	PANDYA, MANGALA	11,890
VA	PILLAI, SASIKALA	8,600
VS	QASBA, PRADMAN	25,054
VF	RAO, RANI	8,724
VF	RAY, PRABHATI	12,755
VS	REDDI, AKEPATI	25,198
VF	SHAH, DILIPKUMAR	10,516
VF	SINGH, BAHADUR	8,277
VS	SITARAM, NATARAJAN	22,868
VA	SUBRAMANIAN, PASWARA	15,692
VA	SUBRAMANIAN, S.	17,122
VF	THAKUR, AJIT	10,983
VS	THOMAS, FAIRWELL	20,192
VF	VAISHNAV, YASHESH	9,383
VS	VARGHESE, PRAYMOL	11,820
VS	VARMA, SHAMBHU	3,400
VF	VIRMANI, MRIDULIKA	11,357

IRAN

VF	FIROUZI, LIDA	3,734
	• •	
VF	NAGHSHINEH, SORAYA	1,910
VF	POURMOTABBED, GHASSEM	1,865

IRELAND

VA	DALY, PETER A.	16,627
VF	DONLON, JOHN	11,916

ISRAEL

VF	ADER, ROMAN	12,101
VS	ALONI, YOSEF	30,626
VS	ATSMON, ABRAHAM	8,596
VS	BACHRACH, URIEL	7,613
VF	BARZILAY, MOSHE	7,417
VS	BECKER, YECHIEL	3,995
VS	BEN-EZRA, DAVID	29,260
VF	BEN-SASSON, SHMUEL	12,917
VS	BINDERMAN, ITZHAK	29,140
VA	DEUTSCH, JOSEPH	21,922
VF	EILAT, DAN	12,490
VF	FILER, DAVID	8,330
VF	GADASI, HANA	12,406
VS	GERY, IGAL BARUCH	5,884
VF	GILAD, GAD M.	2,588
VA	GLASER, GAD	20,938
VS	GOTTESFELD, ZEHAVA	20,700
VF	GROSSMAN, YORAM	9,177
VA	GROSSMAN, ZVI	7,102
VF	HANANI, MENACHEM	11,943
VF	ITTAH, YITZHAK	842
VF	KEISARI, YONA	10,102
VS	LASKOV, REUVEN	4,552
VS	LEGUM, CYRIL	15,767
VS	MAOR, DAHLIA	21,594
VF	MORE, RAPHAEL	10,940
VS	NITZAN, MENACHEM	26,011
VS	OPPENHEIM, AMOS	19,308
VS	OPPENHEIM, ARIELLA	20,694
VF	PERLMAN, IDO	10,930
VF	PEYLAN-RAMU, NILI	11,890
VF	ROSENBERG, HAGAI	10,313
VS	SCHEJTER, ABEL	480
VF	SHANI, MOSHE	10,407
VS	SHINITZKY, MEIR	28,289
VF	SOBEL, JACKY	8,735
VS	TAMIR, ISRAEL	27,594
VS	TRAUB, WOLFIE	30,559
VF	WALLACH, DAVID	12,490
VS	WEINSTOCK, MARTA	21,144
VS	WINOCOUR, ERNEST	5,709
VS	WOLMAN, MOSHE	13,194
VF	YARKONI, ELIYAHU	12,490
VA	ZINDER, OREN	4,400
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VF	ALTMAN, AMNON	12,089
VA	BATZRI, SHMUEL	16,740
VS	BUSTIN, MICHAEL	25,192
VA	CABANTCHIK-BARNEA, ZVI	21,000
VF	CANAANI, ELI	3,266
VA	CATANE, RAPHAEL	5,145
VA	SEGAL, SHOSHANA	6,766

VF	ADAMO, SERGIO	12,090
VS	AIOJ, SALVATORE	26,407
VS	BELVEDERE, GIORGIO	15,320
VF	BORASCHI, DIANA	1,443
VA	BRONZETTI, GIORGIO	10,598
VS	BRUNI, CARMELO B.	5,863
VF	CANTI, GIANFRANCO	11,300
VS	CERVETTO, LUIGI	3,255
VS	CHERSI, ALBERTO	16,866
VA	COLONNA, GIOVANNI	14.134
VS	CONSIGLIO, EDUARDO	6,247
VS	CONTI, FRANCO	6,968
VF	CONTI, MARCO	7,387
VA	CORTESE, FERDINANDO	5,500
VF	COVACCI, RENATO	11,090
VF	DI LAURO, ROBERTO	13,290
VS	FIESCHI, CESARE	5,895
VS	FONTANA, ANGELO	2,583
VF	FRATTA, WALTER	9,879
VF	FREZZA, DOMENICO	10,416
VF	GAION, ROSA MARIE	9,516
VA	GALLI, CORRADO	12,161
VS	ICRIO, MARIA A.	25,445
VF	LANDOLFO, SANTO	10,067
VF	MAICHANA, ANTONIO	10,583
VF	MARINI, MARINA	7,704
VS	MELODESI, MARIA	10,134
VA	MORONI, FLAVIO	17,148
VS	MUGGEO, MICHELE	28,287
VF	MITSCH, LUCIO	11,690
VF	PEGORARO, BRUNA	10,583
VF	PERSICO-DI LAURO, MARIA	11,600
VF	PESENTI, ANTONIO MARIA	3,050
VF	PETTINELLI, CARLA	11,183
VF	PRAT, MARIA	7,649
VF	PUCCETTI, PAOLO	9,764
VS	ROSSI, GUIDO	15,208
VF	RUCO, LUIGI	11,557
VF	RUSPA, ANNA M.	3,871
VF	SAGGIORO, DANIELA	7,409
VF	SAMAJA, MICHELE	8,504
VF	SANTONI, ANGELA	10,434
VA	SCARPA, SIGFRIDO	8,557
VF	SOSSI, MUNZIO	6,750
VF	TAGLIABUE, ALDO	9,927
VF	TOSATO, GIOVANNA	11,249
VA	VALLERGA, SILVANA	16,188
VF	VARESIO, LUIGI	2,459

VA	ABE, SHIGETO	20,588
VF	ABE, TAKASHI	2,885
VF	ADACHI, TOSHIRO	12,360
VA	AKAIKE, TADASHI	17,000
VF	AKIZUKI, MASASHI	10,097
VF	AOSHIMA, REIJI	10,956
VF	ARAKI, KOJI	9,592
VS	ARIMITSU, TETSUO	16,457
VA	AYUKAWA, SABURO	13,808
VS	AZUMA, ICHIRO	6,008
VF	CHIKIRA, MAKOTO	11,557
VA	EGAWA, KOHJI	7,614
VF	FUJITA, KEINOSUKE	11,622
VA	FUJITA, TOSHIRO	12,258
VA	FUJITA, YASUTORO	11,916
VS	FUKUSHI, KAZUE	6,224
VS	FUKUSHI, SUGURU	6,224
VA	FUNAHASHI, MASAKAZU	13,494
VF	HANDA, HIROSHI	5,233
VF	HAYASHI, HARUHIDE	9,908
VF	HIGASHIDA, HARUHIRO	12,023
VF	HOJIMA, YOSHIO	11,616
VS	HONJO, TASUKU	8,549
VF	HOSOKAWA, SHINICHI	12,690
VA	HUANG, FUJIKO	16,360
VF	HUANG, GUANG-FU	12,357
VA	IIA, SHIROH	19,103
VS	IIJIMA, IKUO	14,556
VA	IINO, YASUHIKO	4,025
VF	IKENO, TAKEYUKI	861
VF	IMAI, SHIGEYUKI	5,002
VF	IMUTA, MITSURU	10,383
VF	INABA, MAKOTO	8,814
VF	INOUE, HIROKAZU	12,638
VF	INOUE, KATSUHIRO	9,708
VS	ISHIMOTO, AKINORI	22,460
VA	ITO, NOBUYOSHI	15,151
VA	ITOH, TATEO	14,904
VF	ITOYAMA, YASUTO	5,220
VS	KADEKARU, MASAKO	8,417
VF	KANAMORI, TAKAO	11,383
VF	KANDA, KENRO	3,367
VF	KANO, ITSU	10,044
VF	KANO, KAZUTAKA	9,497
VS	KATO, MOTOHIRO	28,038
VF	KATO, SHIGERU	11,290
VF	KATOH, YOICHI	2,901
VA	KAWAI, KEN-ICHI	1,875
VA	KIKUCHI, AKIHIKO	14,923
VF	KIKUCHI, YOSHIKO	11,623
VF	KIMOTO, HIROSHI	5,577
VA	KIMURA, GENJIRO	13,691
VF	KIMURA, HIDEKI	7,468
VS	KINOSHITA, NADAO	1,569
VF	KISARAGI, MASATSUGU	10,483
VF	KOBAYASHI, MASASHI	3,653
VF	KOBAYASHI, TAKAAKI	10,516

VF	KOBAYASHI, TOMOWO	3,965
VF	KUBODA, SEISUO	12,332
VS	KUBOKAWA, YUJI	13,421
VF	MAEDA, TOSHIO	10,383
VA	MARUTA, HIROSHI	17,269
VF	MATSUI, TAKASHI	11,490
VA	MATSUURA, SHUJI	6,920
VS	MATSUURA, TERUO	8,256
VF	MINAMIKAWA, JUN-ICHI	10,992
VF	MITANI, TAKAHIKO	9,949
VF	MIYAMURA, TATSUO	7,744
VA	MIYAOKA, MAKOTO	6,298
VA	MIZUKAWA, ATSUSHI	18,706
VF	MIZUNO, YUSUKE	11,568
VA	MIZUOCHI, KIYOSHI	16,000
VS	MORITSUGU, YASUO	16,737
VF	MURAKAMI, NOBORU	6,826
VF	MURAKAMI, TOHRU	12,590
VF	MURAOKA, MASAKO	6,099
VF	NAGAMATSU, YASUNORI	9,664
VS	NAKADA, TERUHIRO	12,591
VF	NAKAMURA, HIROSHI	1,551
VF	NAKAMURA, KUNIE	12,690
VF	NAKAMURA, YOSHIKO	11,000
VF	NAKANISHI, YOSHIFUMI	8,447
VF	NARA, YASUO	2,892
VA	NAWATA, HAJIME	4,661
VF	NISHIMOTO, KEIJI	10,982
VF	NISHINAGA, KEIJI	1,682
VF	NOMURA, KOHJI	11,557
VF	ODA, HIROSHI	9,056
VF	OHASHI, MASAMORU	2,868
VF	OHKI, KAZUNOBI	10,983
VF	OHMORI, HARUO	11,516
VF	OHNISHI, SEIDO	5,334
VS	OHNISHI, YOSHITAKA	2,376
VF	OHNO, KIKUO	11,757
VF	OIKAWA, TSUNEYUKI	10,920
VF	OISHI, TOMOMI	1,139
VF	OKAZAKIE, TAKUMI	10,117
VF	OKUDA, TAKAO	1,264
VF	OKU, IETSUYA	11,037
VF	ONODERA, TAKASHI	14,761
VF	OTA, YOSHIMI	8,565
VF	SAKAI, SAEKO	11,223
VA	SAKAI, TADASHI	7,500
VF	SAKANE, TSUYOSHI	12,090
VA	SAKAUE, YOSHIHIRO	19,518
VF	SAKIYAMA, TAKESHI	12,090
VA	SAKURADA, OSAMU	14,712
VF	SATO, MASAYASU	6,831
VF	SATOW, YOSHINORI	4,202
VF	SEKIZAWA, TSUYOSHI	6,605
VF	SHIBUYA, HARUO	989
VF	SHIMA, KOHJI	2,319
VF	SHIMATAKE, HIROYUKI	6,027
VA	SHIMIZU, KAZUFUMI	18,528
VF	SHIMIZU, YOHKO KOSHI	11,690
VF	SHINDO, HEISABURO	12,804
VF	SHINOHARA, MAMI	12,756
VA	SHINOHARA, NOBUKATA	15,614
VA	SHOJI, RYUJIRO	1,234
VF	SORIMACHI, KENJI	12,090
VF	SUDA, TOMIO	11,394
VA	SUGINO, AKIO	839
VA	SUGIYAMA, HIROYUKI	14,846
VA	SUZUKI, KATSUSHI	12,835
VF	SUZUKI, YOSHIHIDE	5,637
VF	TAKAI, MAKOTO	11,079
VF	TAKEMOTO, TOSHIYUKI	1,791
VF	TAKENAWA, TADAOMI	10,890
VA	TAKEUCHI, TSUTOMU	6,112
VA	TAKEUCHI, YOSHIO	5,789
VF	TAKEZAWA, JUN	12,090
VS	TAMAI, MAKOTO	18,493
VF	TANABE, KAZUSHI	3,629
VF	TANABE, TADASHI	10,758
VA	TANAKA, HIDEHIKO	13,924
VA	TANAKA, MINORU	12,408
VS	TANISHIMA, TERUO	22,398
VF	TANIYAMA, TADAYOSHI	2,951
VA	TERAKAWA, SUSUMU	8,855
VA	TOH-E, AKIO	8,839
VS	TOKUDOME, SHINKAN	3,603
VF	TOYOSHIMA, SATOSHI	7,094
VS	TSURUHARA, TSUNEO	11,358
VF	UEHARA, YOSHIMASA	10,287
VA	WAKAMIYA, TATEAKI	4,037
VA	WAKISAKA, SHINICHIRO	21,500
VF	WATABE, KAZUHITO	11,357
VA	YAMAGUCHI, KAZUO	9,081
VF	YAMAMOTO, HIRO-AKI	11,018
VF	YAMAMOTO, TADASHI	1,699
VF	YAMASHITA, UKI	12,822
VS	YAMAUCHI, TOSHIO	4,718
VS	YANAGAWA, TAKASHI	17,605
VF	YANAGISHITA, MASAKI	12,323
VF	YANO, AKIHIKO	12,556
VA	YOSHIOKA, TOHRU	12,454
	* *	
VS	ABAKI, HIROSHI	21,000
VS	ITO, YOICHIRO	30,003
VS	KABASAWA, IZUMI	5,650
VS	KONISHI, TERUZO	32,318
VA	NAKAI, CHIHARU	8,324
VS	NAKASHIMA, YASUTSUGU	875
VS	SATO, SUSUMU	29,790
VS	TOMIZAWA, JUN-ICHI	42,230
VS	YAGI, HARUHIKO	23,154

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KOREA

VF	LEE, SCO YOUNG	3,667
	* *	
VF	KIM, KYUNG-JIN	10,649
VF	PARK, SANG	12,233

LEBANON

	* *	
VA	KHOURI, PHILIPPE	18,226
VF	PCOCHIKIAN, GUIRAGOS	10,220
VA	RIFKA, SAFA	21,133

LITHUANIA

	* *	
VF	BUTKUS, DANUTE	1,977

MALAYSIA

VF	LAM, HUA-FUAN	3,640
VF	NG, AH-KAU	11,757

MEXICO

VF	AYALA, AQUILES	9,349
VF	DIAZ DE LECN, LINO	12,157
VA	MATA, JUAN M.	7,490
VF	ZEICHNER, MARGARITA	11,452
VA	HERNANDEZ, OSCAR	2,624

NETHERLANDS

VS	BETHLEM, JAAP	14,640
VF	COHEN, MICHAEL	12,191
VF	LOPES-CARDOZO, MATTHIJS	4,156
VF	STEEFKERK, DIRK	12,223
VF	VAN DEN BERG, KORNELIS	11,590
	* *	
VA	BLUMENTHAL, ROBERT	28,581
VS	VAN KAMMEN, DANIEL	29,926

NEW ZEALAND

VF	CROW, KATHRYN	10,099
VF	CROW, VAUGHAN	11,633
VF	SHAW, GARY	10,300
VF	SHIRKEY, ROBIN	4,747
VA	SMITH, HOWARD	7,958
	* *	
VS	BRENNAN, MURRAY	40,760

NIGERIA

VF	AGBATA, ANTHONY	13,821
	* *	
VF	KASSIM, OLAKUNLE	11,490

NORWAY

VS	BAKKETEIG, LEIV	17,468
VF	BAUCK, SVERRE	10,181
VF	HOPE, ARVID	10,732

PAKISTAN

VF	MALIK, NAJMA	9,638
VF	YOUSUFI, M. AYUB KHAN	9,251
	* *	
VF	DAS, MOVEEN DAVID	2,104
VA	MENDHI, MOHAMMED	24,156
VF	RAHMAN, AQUILUR	10,713

PERU

VS	AVENDANO, JOSE A.	17,389
VS	BERTORINI, TULIO	17,300

PHILIPPINES

VF	MIRANDA, CRISTOBAL	11,250
VS	PADLAN, EDUARDO	23,000
	* *	
VA	REVUELTA, AURORA	18,047
VS	YUSON, CARLO	11,108

POLAND

VF	BARYLKO, BARBARA	10,335
VS	CALINSKI, TADEUSZ	17,541
VF	JABLONSKA, ELZBIETA	10,000
VF	KOCIOLEK, KAROL	10,274
VF	KOLASA, TEODOZYL	8,578
VF	KURYL, TOMASZ	10,319
VF	PACUSZKA, TADEUSZ	10,444
VF	SASAK, WLODZIMIERZ	11,459
VF	SIUSARCZYK, JANUSZ	3,682
VS	SMIALEK, MIECZYSLAW	18,149
VF	SOBIECH, KRZYSZTOF	10,617
VF	SWIDERSKA, HANNA	1,658
VF	SZUTOWSKI, MIROSLAW	10,891
VS	LUBICZ-WOYCIECHOWSKA, J.	18,980

PORTUGAL

VF	PEIXOTO DE MENESES, A.	9,236
	* *	
VS	PINTO DA SILVA, PEDRO	32,995

ROMANIA

		* *	
	VA	POPESCU, NICOLAE	20,000

SINGAPORE

		* *	
	VF	LOH, YOKE PENG	1,997

SOUTH AFRICA

	VS	ENGELBRECHT, F.	5,446
	VS	HARINGTON, JOHN	6,288
	VS	VAN BOXEL, JOHN	20,673
	VS	WEEKER, BRUCE L.	23,943
	VA	WEENER, CARYLL JUNE	3,500
		* *	
	VS	LACHMAN, ANTHONY	15,658
	VF	MC LAREN, MARGARET	9,739

SPAIN

	VF	BARRACID, MARIANO	11,400
	VA	DURAN, ANGEL	13,130
	VF	ENJUANES, LUIS	3,822
	VF	HERNANDEZ-ASENSIO, M.	11,757
	VF	ITARTE, EMILIO	10,523
	VF	MARCO, EMILIO	11,717
	VF	MATA, MARINA	12,716
	VF	MAZON, MARIA J.	10,466
	VF	MOLANO, JESUS	12,423
		* *	
	VA	DE LA MESA, LUIS	17,635

SRI LANKA

	VF	SIVARAJAH, KANDIAH	9,891
	VF	WEERASURIYA, ANANDA	8,224

STATELESS

	VF	DIMITRIU, ALEXANDRA	8,624
		* *	
	VF	BRUCKNER, ALBRECHT	7,813
	VS	DONNER, LUDVIK RAFAEL	15,566
	VF	DOBRMAN, NIKOLAY	10,721
	VF	FEYNS, LIVIU	11,747
	VA	LVOVSKY, EDUARD	18,139
	VS	MIKULSKI, STANISLAW	25,134
	VF	SUSICV, IRENE	9,382

SWEDEN

	VS	BJERLE, PER TORSTEN	7,093
	VS	ERICSON, LARS	23,491
	VF	HELLSTROM, STEN	9,494
	VF	MANSSON, PER-ERIK	3,052
	VF	OLSSON, ANGELA	9,468
	VF	WALI, TONU MART	10,449
	VF	WENNSTROM, JAN	10,181
		* *	
	VS	FEX, JORGEN	41,000
	VS	FURBERG, CURT	33,306

SWITZERLAND

	VA	BANDLE, ERIC	17,226
	VF	BERTRAND, DANIEL	1,690
	VS	BONNARD, GUY D.	32,167
	VS	BROSSI, ARNOLD	46,159
	VS	DUBAL, LEO	11,698
	VF	GRATWOHL, ALOIS	1,964
	VA	HONEGGER, ULRICH	8,202
	VF	MAIER, PETER	5,237
	VF	RACINE, ROBERT	6,417
	VF	SCHLEGEL-HAUETER, SUSANNA	3,467
	VF	SCHLEGEL, WERNER	11,356
	VF	SCHLUMPF, MARGARET	3,270
	VA	STEINMANN, BEAT	19,936
		* *	
	VS	BAUMANN, GERHARD	22,728

SYRIA

		* *	
	VA	NASRALLAH, HENRY	17,196

TAIWAN

	VF	CHANG, SHOU-MEI	2,766
	VF	CHANG, WEN-CHANG	10,826
	VF	CHEN, YANG CHANG	11,357
	VF	CHENG, ANN TEI-SEN	11,875
	VF	CHENG, WIND-SHOW	9,423
	VF	CHIANG, SCOTT	8,245
	VF	CHIEN, CHAU-CHUN	10,883
	VF	CHIOTEN, DELIA	11,622
	VF	HAYASHI, KEIKO	4,500
	VF	HU, CHENG-PO	10,977
	VF	HU, SHU-JING CAROLINE	3,457
	VF	HUANG, SHYUAN	1,951
	VF	LEE, SHIH-IC	2,143
	VF	LI, SHOU-HUA	9,713
	VA	LIN, MARY O.	22,161
	VF	LIN, PAN-NAN	9,903
	VF	YANG, KIN-HAI	11,400

VF	CHANG, CHUNGMING	13,601
VF	CHEN, MANN-JY	10,916
VS	CHEN, YI-DER	19,655
VF	CHI, PI-YEONG	11,490
VF	CHIUEH, CHUANG	12,157
VF	CHOU, FENG-TE	12,822
VA	HARFORD, ESTHER CHANG	13,835
VF	HC, CHING	9,305
VF	HWANG, DENG	9,311
VF	KUNG, ADA HSIAO-CHIA	8,225
VF	LIN, CHIU-SHIONG	10,957
VA	LIU, FAMIE	14,000
VF	NIU, CHIEN-HUA	11,434
VF	PAN, YU-CHING	1,259
VS	SMIH, THOMAS	6,783
VF	SUN, CHING-LONG	11,690
VF	SZU, SHOUSUN	12,360
VF	TSAN, ALICE	12,023
VF	WANG, ER-CHUNG	10,957
VF	WHONG, WEN-ZONG	10,990
VF	YANG, YEU-ZU SHEU	12,090

TURKEY

VF	AKAY, ADNAN	9,472
VF	ATIKKAN, E. ESAT	7,813

UNITED KINGDOM

VF	AYLMER, CHRISTOPHER	6,443
VF	BALL, LOUISE M.	10,349
VS	BENTLEY, STUART A.	5,882
VF	BRIDGEN, PAMELA B.	10,677
VS	BRIDGES, JAMES	6,374
VF	BROWN, NIGEL A.	6,532
VF	BROWN, STUART	12,832
VF	BURNS, ALAN T.H.	11,490
VF	CAMPBELL, IAIN	11,116
VF	CANTIN, EDOUARD	3,605
VF	CARMICHAEL, NEIL	8,490
VS	CHARLESWORTH, BRIAN	871
VS	CHARLESWORTH, DEBORAH	871
VF	COOPER, JONATHAN A.	8,026
VF	CORTHORN, JENNY	11,116
VF	CRUTCHLEY, DAVID J.	11,151
VF	DREW, ROGER	11,090
VF	FAULKNER, GEORGINE	7,340
VF	FERGUSON, MORAG	11,182
VF	FRANKLIN, RONALD	10,444
VA	FREEMAN, CHARLES	23,227
VF	HEMMINGS, BRIAN A.	8,446
VF	HILL, IAN B.	11,290
VF	HILLIER, STEPHEN	11,824
VA	HILTON, JOHN	18,557
VF	HODGSON, JOHN	8,853
VS	HUXLEY, HARRY G.	7,514
VF	ILLSLEY, NICHOLAS	4,696
VF	JAY, FRANCIS	12,423
VF	JAY, GILBERT	234
VF	JUDGE, STUART J.	9,474
VF	KAO, JOHN	5,600
VF	KAY, ALAN C.	12,023
VF	LEAKEY, JULIAN	8,512
VF	LEIGH-BROWN, ANDREW	7,586
VF	LETT-BROWN, MICHAEL	11,911
VF	MAC DERMOT, JOHN	6,782
VF	MAC DERMOT, KVETUSE	6,403
VS	MAGRATH, IAN T.	32,216
VS	MANN, THADDEUS	20,855
VS	MARTIN, ALEC	33,526
VS	MC ADAM, KEITH	15,910
VF	MC CAUL, THOMAS F.	6,399
VF	MC INTOSH, PETER	11,966
VF	MC INTYRE, LAURENCE	12,423
VF	MC INTYRE, ROSEMARY	11,470
VF	MURRAY, JOHN C.	4,585
VA	NORMAN, MICHAEL	19,021
VF	PALMER, CLAUDE IRENE	3,579
VS	PAU, RICHARD	3,287
VF	POWELL-JONES, WENDY	7,240
VF	SALT, ALEC	3,268
VF	SCOTT, BARRY	9,720
VF	SIDDIK, ZAHID H.	8,396
VF	SLACK, BARBARA	8,095
VF	SMITH, PETER A.	11,786
VF	STONE, PETER	12,090
VS	TATA, JAMSHED	17,861
VF	TRUDGETT, ALAN	1,322
VF	TURNBULL, DUNCAN	11,049
VF	WATSON, SUSAN	10,635
VF	WHITEMAN, PATRICIA	10,997
VA	WILLIAMS, ADRIAN	20,888
VF	WINTERBOURNE, DAVID	11,357
VF	WOLF, CHARLES	7,617
VF	BARCLAY-WHITE, BELINDA	2,700
VS	BOWEN, WILLIAM H.	38,548
VF	BOYLE, MICHAEL	2,262
VS	CAINE, DONALD	43,600
VS	CREELEY, ROGER C.	24,537
VS	HANSFORD, RICHARD G.	25,477
VA	HIGGINS, WILLIAM	15,500
VA	JAMES, MARGARET	16,724
VS	JONES, EVAN A.	35,776
VF	LO, TERESA	11,422
VA	MILES, FREDERICK A.	2,762
VA	PEARCE, ROBERT	16,518
VS	RIFKIND, BASIL MAIR	41,303
VA	WILSON, ALAN G.	15,966
VF	ZITRON, IAN	11,065

U.S.

VS	AMMON, HERMAN	21,510
VS	CATT, KEVIN	38,288
VS	EVARTS, RITVA	2,357
VS	FLOCK, EUNICE	19,600
VS	GELLER, ARTHUR	19,641
VS	JOHNSON, DAVID C.	5,538
VS	LEWIS, RICHARD	6,000
VS	MC CARTHY, DENIS	24,423
VS	POLLAK, LAWRANCE	12,065
VA	REHAK, NADJA	21,000
VS	ROSS, GEORGE	8,903
VS	WEINGARTNER, HERBERT	7,224

VENEZUELA

VS	MARQUEZ, VICTOR E.	10,839

VIET-NAM

* *

VF	NGUYEN, NGA YEN	12,640

WEST INDIES

VF	COMMISSIONG, JOHN	11,690

YUGOSLAVIA

VS	MARKOVIC, OLIVERA	11,154
VF	MICIC, DEJAN	12,549

GUEST WORKERS

Under the Guest Worker Program, on occasion, the NIH invites foreign scientists sponsored by qualified organizations to utilize the research facilities of the NIH for research projects and programs. These scientists are provided with laboratory space, equipment and materials, however, their salaries are paid by another source which may be a domestic U.S. organization or foundation or the scientist's institution in his home country.

INTERNATIONAL GUEST WORKERS-FY 77

Algeria

Abdelmoumene, Mohamed L.

Argentina

Fernandez-Pol, Dr. Jose
Isturiz, Martin A.

Australia

Blombery, Peter Alexander
Harrison, Len (M.D.)
Jarrett, David Bailey
Lai, Patrick K.
Shellam, Geoffrey R.
Stanley, Fiona Juliet M.D.

Belgium

Bourgeois, Nadia (Dr.)
Dubois, Dr. Andre

Bengali

Mehnur, Abedin

Brasil

Bouquet, Marcel
De Azeredo, Fernando A. M.
Kadekaro, Massako (Ph.D.)
Pereiro, Joao Roberto, M.D.
Yasaka, Kazue

Great Britain

Jay, Caroline S.
Leader, John P.
Murray, Christine
Newby, Andrew C.
Parfitt, Andrew
Schwartz, Ruth
Toop, James
Walsh, Frank S.

Canada

Berry, Gerald (Dr.)
Bray, Garth M.
De Lean, Andre
Fysh, Jacquelene M.
Gagnon, Claude
Goren, Howard Joseph
Havrankova, Jana B.
Karsh, Jack

Canada (cont.)

McGhee, James D.
Mendelson, Morton J.
Pappius, Hanna M.
Racz, Dr. William J.
Shiu, Robert Pak Chung
Sweeting, Linda M.
Tinker, David O.
Trepman, Elly
Wood, Paul L.

Ceylon

Nagulesparan, Murugasu

Chile

Horwitz, Abraham

China (Taiwan)

Chu, Dr. Chien-Ts
Hong, Jau Shyong
Huang, Li-Yen Mae
Tao, Shirley Shyy-hwa
Tsan, Alice C.
Ying, Spencer T.

Colombia

Morales, Alvaro (Dr.)

Denmark

Braendstrup, Otto A.
Lindemann, Gertrud
Mathiesen, Lars R.
Rosenkilde, Carl E.

Ecuador

Garcia, Nelson

Egypt

Abd El-Aal, Gamal M.

El Salvador

Pena, Amado Salvador

England

Gingell, David (Dr.)
Walters, Ian Nigel

Finland

Iivanainen, Matti V.
Leinikki, Pauli

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France

Andre, Jean Gustave
Bona, Constantin Atanasie
Buda, Colette
Dansette, Patrick M.
Dautry, Alice
Kanellopoulos, Jean
Legraverend, Catherine
Legraverend, Michel
Mourrain, Jacques
Schirar, Alain
Taburet, Anne-Marie

Germany

Adams, Margot
Baczko, Knut
Betz, Dr. Joachim W.
Brehmer, Werner
Burger, Reinhard, Ph.D.
Burkhard, Micheel
Drzeniek, Rudolf
Fromm, Christoph
Hasilik, Andrej
Hess, Georg
Horst, Jurgen (Dr.)
Metzger, Dr. Heinz
Mueller, Paul
Osieka, Rainhardt
Schaefer-Ridder, Maria
Wunderlich, Volker

Ghana

Nkrumah, Francis K.

Greece

Gules, Demetrios

Hong Kong

Tse, Harley Ph.D.

Hungary

Fesus, Eva
Zolt Tanczos, Ph.D.

India

Bakshi, Kulbir S.
Deshpande, Mohan D.
Ghosh, Prasanta K.
Giri, Dr. Shri N.
Jain, Rakesh Kumar

India (cont.)

Joshi, Bharati (NMN) M.D.
Kolaskar, Ashok Sadanand
Ramalingaswami, Prabha
Rammohan, Kottil Walappil
Reddy, Neelupalli Bojji, Ph.D.
Sankaran, Krishnamoorthy

Iran

Mirmirani, Nooreddin
Tizabi, Yousef

Ireland

Swan, David C.

Israel

Czaczkes, J.W., Ph.D., M.D.
Ittin, Ahuva
Polacheck, Itzhack
Yoram, Grossman

Italy

Ambesi-Impiombato, Francesco
Beguinot, Francesco
Bianchi Bosisio, Adriana
Cellai, Luciano
Cobelli, Claudio
Costa, Tomas (Dr.)
De Paoli, Ethel R. Ph.D.
Durelli, Luca
Formisano, Silvestro
Fraioli, Franco (Dr.)
Gallorini, Adele Lucchelli Ph.D.
Gattinoni, Gabriella G.
Gattinoni, Luciano
Giraldi, Tullio
Glaser, Gila
Iapichino, Gaetano
Liuzzi, Dr. Antonia
Mariani, Dr. Guiliano
Omodeo Sale, Dr. Maria Fausta
Righetti, Pier Giorgio
Rosin, Arnold J.
Sgorbati, Barbara (Dr.)
Tocci, Agnese

Japan

Hino, Shigeo
Hirata, Fusao
Igarashi, Tsuyoshi, Dr.
Iriguchi, Norio

Japan (cont.)

Kita, Etsuko
Kurokawa, Yuji
Matsumoto, Gen
Matsuura, Shuji
Nishiya, Dr. Iwao
Numano, Fujie (NMN)
Natori, Dr. Takashi
Oishi, Tomomi T.
Sakai, Tadashi
Sato, Hitomi
Shibuya, Haruo (NMN)
Suzuki, Seikichi
Takeichi, Dr. Noritoshi
Togari, Hajime
Togawa, Atushi
Uchino, Fumiya
Wakamiya, T.
Yaoita, Hideo
Yokomuro, Kozo

Malaysia

Lee, Dr. Chin-Teong

Netherlands

Guekes-Foppen, Fredrik H.
Henny, Christine Yvonne
Pleij, Cornelis W.A.
Terpstra, Gerben K.
Van Boxtel, Chris J.

New Zealand

Leader, Jennifer J.
Wright, Graeme J.

Niger

Famuyiwa, Funke

Peru

Bertorini, Tulio E.
Cano-Perez, Roque

Poland

Kulakowshi, Dr. Andrezej
Swiderska, Dr. Hanna Maria

South Africa

Levin, Arleen C. (Dr.)
Potgieter, Hans J.

Spain

Alvarez, Jose Mosig (Dr.)
De Landazuri, Manuel O. (Dr.)

Sweden

Karlsson, F. Anders

Switzerland

Reichen, Juerg
Schlumpf, Margret

Syria

Kibrite, Antoine (Dr.)
Rajjoub, Rodwan K.

Turkey

Aykac, Dr. Ibrahim

United Kingdom

Catovsky, Daniel
Hardingham, Timothy Edward
Murray, Robin M.

Yugoslavia

Zupan, Jure J.

SCHOLARS-IN-RESIDENCE PROGRAM

The Scholars-in-Residence Program has been designated to facilitate the work of individual scholars and the exchange of ideas among scholars, distinguished science leaders and science administrators.

Individuals accepting an invitation to participate in the program are known as "Fogarty Scholars" during their period in residence. Invitations are limited to persons of distinction who, in the judgment of the Director of the Fogarty International Center and his staff and advisers, have the educational and cultural background, plus research experience to make significant contributions to advanced study in the health sciences. Awards are made without regard to national boundaries.

While at NIH, the scholars may engage in one or more of the following types of activities: Individual study, group interaction, or research.

The names, home institution, fields of interest, and dates of residence at NIH of Fogarty Scholars are included in the listing.

TABLE 6.--FOGARTY SCHOLARS-IN-RESIDENCE

FELLOW, NAME AND LOCATION OF HOME INSTITUTION	FIELD OF INTEREST	DATES IN RESIDENCE
ROCHA E SILVA, MAURICIO UNIVERSITY OF SAO PAULO BRAZIL	PHARMACOLOGY	08-15-77/02-14-78
HORWITZ, ABRAHAM PAN AMERICAN HEALTH ORGANIZATION CHILE	EPIDEMIOLOGY	03-03-76/03-02-77
LEE, CHEN-YUAN NATIONAL TAIWAN UNIVERSITY CHINA (TAIWAN)	PHARMACOLOGY	07-01-76/02-28-77
ORSKOV, FRITS STATE SERUM INSTITUTE DENMARK	BACTERIOLOGY	03-02-77/07-01-77
ERANKO, OLAVI UNIVERSITY OF HELSINKI FINLAND	HISTOCHEMISTRY	06-07-77/07-15-77
ERANKO, OLAVI UNIVERSITY OF HELSINKI FINLAND	HISTOCHEMISTRY	01-06-75/09-19-76
MAKELA, OLAVI UNIVERSITY OF HELSINKI FINLAND	IMMUNOLOGY	09-30-75/05-29-77
COHEN, GEORGES N PASTEUR INSTITUTE FRANCE	MICROBIOLOGY	02-01-77/04-30-77
MONIER, ROGER CANCER INSTITUTE, CNRS FRANCE	MOLECULAR BIOLOGY	09-16-76/01-15-77
MONIER, ROGER CANCER INSTITUTE, CNRS FRANCE	MOLECULAR BIOLOGY	08-01-77/11-11-77 01-29-77/02-08-77

TABLE 6.--FOGARTY SCHOLARS-IN-RESIDENCE

FELLOW, NAME AND LOCATION OF HOME INSTITUTION	FIELD OF INTEREST	DATES IN RESIDENCE
HOLZER, HELMUT UNIVERSITY OF FREIBURG GERMANY FED R	BIOCHEMISTRY	02-03-77/04-30-77
WIELAND, THEODOR MAX PLANCK INST. FOR MEDICAL RESEARCH GERMANY FED R	PROTEIN CHEMISTRY	09-15-76/12-14-76
RAMACHANDRAN, GOPALASAMUDRAM INDIAN INSTITUTE OF SCIENCE INDIA	CRYSTALLOGRAPHY	08-01-77/03-31-78
RAMALINGASWAMI, VULIMIRI ALL INDIA INSTITUTE INDIA	PATHOLOGY	05-01-76/01-01-77
SCHRAMM, MICHAEL THE HEBREW UNIV. OF ISRAEL ISRAEL	BIOLOGICAL CHEMISTRY	09-02-77/09-01-78
SHARON, NATHAN THE WEIZMAN INSTITUTE OF SCIENCE ISRAEL	CELL BIOLOGY	08-02-77/04-01-78
HAYAISHI, OSAMU KYOTO UNIVERSITY JAPAN	BIOCHEMISTRY	06-08-76/09-07-76
NISHIMURA, HIDEO CENTRAL INST. FOR EXPERIMENTAL ANIMALS JAPAN	TERATOLOGY	07-31-76/11-30-76
SUGIMURA, TAKASHI NAT'L CANCER CTR RESEARCH INST JAPAN	BIOCHEMISTRY	06-15-77/09-15-77
DAVSON, HUGH UNIVERSITY COLLEGE UNITED KINGDOM	PHYSIOLOGY	09-02-75/08-30-76

TABLE 6.--FOGARTY SCHOLARS-IN-RESIDENCE

FELLOW, NAME AND LOCATION OF HOME INSTITUTION	FIELD OF INTEREST	DATES IN RESIDENCE
HAMMES, GORDON G CORNELL UNIVERSITY UNITED STATES	PHYSICAL CHEMISTRY	08-25-75/05-24-76
SCHACHMAN, HOWARD K UNIV OF CALIFORNIA UNITED STATES	BIOCHEMISTRY	09-15-77/06-14-78

INTERNATIONAL RESEARCH FELLOWSHIP PROGRAM

The Fogarty International Center administers the International Fellowship Program under which young scientists from foreign countries come to the United States for two years of advanced research training. Fellows are required to return to their respective countries at the termination of their Fellowships. Follow-up surveys indicate that a majority of Fellows continue to work individually and in collaboration with former United States preceptors on research projects of interest to the United States after their return home and thus contribute significantly to the health of the American people as well as to biomedical research in their own country.

TABLE 7.--INTERNATIONAL RESEARCH FELLOWSHIP PROGRAM

NAME AND COUNTRY OF FELLOW	FIELD OF INTEREST	NAME AND INSTITUTION OF PRECEPTOR
ARGENTINA		
CADENAS, CARLOS E	ENZYME/METABOLISM BIOCHEMISTRY	CHANCE, BRITTON UNIVERSITY OF PENNSYLVANIA PHILADELPHIA PENNSYLVANIA
CHEMES, HECTOR E	ENDOCRINOLOGY	FAWCETT, DON W HARVARD UNIVERSITY BOSTON MASSACHUSETTS
COLMERAUER, MARIA E	ONCOLOGY	PILCH, YOSEF H UNIVERSITY OF CALIFORNIA LOS ANGELES LOS ANGELES CALIFORNIA
INON, ALBERTO E	EXPERIMENTAL SURGERY	HALLER, J ALEX JR JOHNS HOPKINS UNIVERSITY BALTIMORE MARYLAND
MASCARETTI, ORESTE A	MEDICINAL/PHARMACEUTICAL CHEMISTRY	FLOSS, HEINZ G PURDUE UNIVERSITY WEST LAFAYETTE INDIANA
MORENO, ROBERTO D	MOLECULAR BIOLOGY	WEBER, GREGORIO UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN URBANA ILLINOIS
RABITO, CARLOS A	EXPERIMENTAL ONCOLOGY	LEIGHTON, JOSEPH MEDICAL COLLEGE OF PENNSYLVANIA PHILADELPHIA PENNSYLVANIA
RODRIGUEZ, JULIO A	MOLECULAR BIOLOGY	BORISY, GARY G UNIVERSITY OF WISCONSIN MADISON MADISON WISCONSIN
SHENOLIKAR, INDUSHEKHAR S	FOOD ANALYSIS	GREENE, F E PENNSYLVANIA STATE UNIV HERSHEY MED CTR HERSHEY PENNSYLVANIA
AUSTRALIA		
BELL, ROBIN G	IMMUNOLOGY	MC GREGOR, D C CORNELL UNIVERSITY ITHACA NEW YORK

TABLE 7.--INTERNATIONAL RESEARCH FELLOWSHIP PROGRAM

NAME AND COUNTRY OF FELLOW	FIELD OF INTEREST	NAME AND INSTITUTION OF PRECEPTOR
BLOMBERY, PETER A	PHARMACOLOGY	KOPIN, IRWIN U.S. ALCOHOL, DRUG ABUSE & MTL HLTH ADM ROCKVILLE MARYLAND
VADAS, MATHEW A	IMMUNOLOGY	DAVID, JOHN R ROBERT BRECK BRIGHAM HOSPITAL BOSTON MASSACHUSETTS
AUSTRIA REISCHL, GEORG P	AEROSOL PHYSICS	WESOLOWSKI, J J CALIFORNIA STATE DEPARTMENT OF HEALTH BERKELEY CALIFORNIA
BELGIUM BONIVER, JACQUES	ONCOLOGY	KAPLAN, H S STANFORD UNIVERSITY STANFORD CALIFORNIA
CARPENTIER, YVON A	SURGERY AND METABOLISM	KINNEY, JOHN M COLUMBIA UNIVERSITY NEW YORK NEW YORK
DAVID, GUIDO	CELL BIOLOGY	BERNFIELD, MERTON STANFORD UNIVERSITY STANFORD CALIFORNIA
DRATZA, MAX	EXCRETORY PHYSIOLOGY	TISHER, C CRAIG DUKE UNIVERSITY DURHAM NORTH CAROLINA
FOIDART, JEAN M	ENZYME/METABOLISM BIOCHEMISTRY	MARTIN, GEORGE R U.S. NATIONAL INSTITUTES OF HLTH BETHESDA MARYLAND
JACQUEMIN, PAUL CHARLES	CELL PHYSIOLOGY	GALLO, R G U.S. NATIONAL INSTITUTES OF HLTH BETHESDA MARYLAND
MAES, MARC W	PHARMACO-ENDOCRINOLOGY	MIGEON, CLAUDE JOHNS HOPKINS UNIVERSITY BALTIMORE MARYLAND
POULEUR, HUBERT G	CARDIOVASCULAR/PULMONARY PHYSIOLOGY	ROSS, JOHN, JR UNIVERSITY OF CALIFORNIA SAN DIEGO LA JOLLA CALIFORNIA

TABLE 7.--INTERNATIONAL RESEARCH FELLOWSHIP PROGRAM

NAME AND COUNTRY OF FELLOW	FIELD OF INTEREST	NAME AND INSTITUTION OF PRECEPTOR
BELGIUM		
SCHOENEN, JEAN	NEUROANATOMY	ADAMS, R D HARVARD UNIVERSITY BOSTON MASSACHUSETTS
VERBRUGGEN, LEON A	PROTEIN/AMINO ACID BIOCHEMISTRY	MARTIN, GEORGE R U.S. NATIONAL INSTITUTES OF HLTH BETHESDA MARYLAND
BRAZIL		
NADER, HELENA B	CARBOHYDRATE BIOCHEMISTRY	MARX, WALTER UNIVERSITY OF SOUTHERN CALIFORNIA LOS ANGELES CALIFORNIA
CHILE		
GONZALEZ CERON, MANUEL	CELL PHYSIOLOGY	SIMON, FRANCIS R UNIVERSITY OF COLORADO MEDICAL CENTER DENVER COLORADO
VENEGAS, HECTOR A	BIOCHEMICAL AND MOLECULAR GENETICS	RUTTER, WILLIAM J UNIVERSITY OF CALIFORNIA SAN FRANCISCO SAN FRANCISCO CALIFORNIA
DENMARK		
CHRISTIANSEN, CLAUS H	BIOCHEMICAL AND MOLECULAR GENETICS	BALDWIN, R L STANFORD UNIVERSITY STANFORD CALIFORNIA
CHRISTIANSEN, GUNNA	BIOCHEMICAL AND MOLECULAR GENETICS	BERG, PAUL STANFORD UNIVERSITY STANFORD CALIFORNIA
NORRILD, BODIL	VIROLOGY	NAHMIAS, A J EMORY UNIVERSITY ATLANTA GEORGIA

TABLE 7.--INTERNATIONAL RESEARCH FELLOWSHIP PROGRAM

NAME AND COUNTRY OF FELLOW	FIELD OF INTEREST	NAME AND INSTITUTION OF PRECEPTOR
FINLAND		
HEMMINKI, KARI J	MOLECULAR BIOLOGY	WEINBERG, ERIC S JOHNS HOPKINS UNIVERSITY BALTIMORE MARYLAND
KUIKKA, JYRKI T	NUCLEAR MEDICINE	BASSINGTHWAIGHTE, JAMES B UNIVERSITY OF WASHINGTON SEATTLE WASHINGTON
MANNISTO, PEKKA T	PHARMACO-ENDOCRINOLOGY	POISNER, ALAN UNIVERSITY OF KANSAS KANSAS CITY KANSAS
PELKONEN, REINO O	TOXICOLOGY/PHARMACODYNAMICS	NEBERT, DANIEL W U.S. NATIONAL INSTITUTES OF HLTH BETHESDA MARYLAND
PELLINIEMI, LAURI J	HISTOLOGY	FAWCETT, DON W HARVARD UNIVERSITY BOSTON MASSACHUSETTS
PETTERSSON, RALF F	VIROLOGY	BALTIMORE, DAVID MASSACHUSETTS INSTITUTE OF TECHNOLOGY CAMBRIDGE MASSACHUSETTS
PETTERSSON, RALF F	VIROLOGY	BALTIMORE, DAVID MASSACHUSETTS INSTITUTE OF TECHNOLOGY CAMBRIDGE MASSACHUSETTS
ROSENBERG, PER HENRIK	ANESTHESIOLOGY	FINK, B RAYMOND UNIVERSITY OF WASHINGTON SEATTLE WASHINGTON
SALASPURO, MIKKO P	LIVER DISEASES	LIEBER, CHARLES S MOUNT SINAI SCHOOL OF MEDICINE NEW YORK NEW YORK
VALTONEN, VILLE V	INFECTIOUS DISEASES	KASS, EDWARD H HARVARD UNIVERSITY BOSTON MASSACHUSETTS

TABLE 7.--INTERNATIONAL RESEARCH FELLOWSHIP PROGRAM

NAME AND COUNTRY OF FELLOW	FIELD OF INTEREST	NAME AND INSTITUTION OF PRECEPTOR
FRANCE		
DE PREVAL, CLAUDE A	BIOCHEMICAL AND MOLECULAR GENETICS	COHN, MELVIN SALK INSTITUTE FOR BIOLOGICAL STUDIES LA JOLLA CALIFORNIA
EVAIN, DANIELE	BIOCHEMISTRY	ANDERSON, PASCAL I U.S. NATIONAL INSTITUTES OF HLTH BETHESDA MARYLAND
GERMOND, JACQUES-EDOUARD	MOLECULAR BIOLOGY	BRUTLAG, DOUGLAS L STANFORD UNIVERSITY STANFORD CALIFORNIA
KERBIRIOU, DANIELE M	ENZYME/METABOLISM BIOCHEMISTRY	GRIFFIN, JOHN H SCRIPPS CLINIC AND RESEARCH FOUNDATION LA JOLLA CALIFORNIA
RAIRAULT, JACQUES	CELL PHYSIOLOGY	GREEN, HOWARD MASSACHUSETTS INSTITUTE OF TECHNOLOGY CAMBRIDGE MASSACHUSETTS
PIERRES, MICHEL	IMMUNOLOGY	BENACERRAF, BARUJ HARVARD UNIVERSITY BOSTON MASSACHUSETTS
PAUL, FRANCIS D	CELL BIOLOGY	KRETCHMER, NORMAN U.S. NATIONAL INSTITUTES OF HLTH BETHESDA MARYLAND
PENAUD, BERNARD	NEUROPHARMACOLOGY	REIS, DONALD J CORNELL UNIVERSITY ITHACA NEW YORK
ROSSIER, JEAN P	NEURO/MUSCULAR PHYSIOLOGY	BLOOM, FLOYD A SALK INSTITUTE FOR BIOLOGICAL STUDIES LA JOLLA CALIFORNIA

TABLE 7.--INTERNATIONAL RESEARCH FELLOWSHIP PROGRAM

NAME AND COUNTRY OF FELLOW	FIELD OF INTEREST	NAME AND INSTITUTION OF PRECEPTOR
GERMANY FED R		
BROSIUS, JUERGEN	MOLECULAR BIOLOGY	NOLLER, HARRY F UNIVERSITY OF CALIFORNIA SANTA CRUZ SANTA CRUZ CALIFORNIA
KLICPERA, CHRISTIAN	CHILD PSYCHIATRY	WOLFF, PETER A HARVARD UNIVERSITY BOSTON MASSACHUSETTS
INDIA		
DE, SHOURYA P	BACTERIOLOGY	COLWELL, R R UNIVERSITY OF MARYLAND COLLEGE PK CAMPUS COLLEGE PARK MARYLAND
KALLA, NATWAR R	ENDOCRINOLOGY	LORIAUX, D L U.S. NATIONAL INSTITUTES OF HLTH BETHESDA MARYLAND
KALLA, NATWAR R	ENDOCRINOLOGY	LORIAUX, D L U.S. NATIONAL INSTITUTES OF HLTH BETHESDA MARYLAND
RAGHURAMULU, NAMALA	HUMAN/CLINICAL NUTRITION	DE LUCA, HECTOR F UNIVERSITY OF WISCONSIN MADISON MADISON WISCONSIN
SUGUNA, SUNDARARAJ G	MEDICAL ENTOMOLOGY	STAMBRIGHT, JACK U.S. INSECT ATTRACTANTS-BIOLOGY RES LAB GAINESVILLE FLORIDA

TABLE 7.--INTERNATIONAL RESEARCH FELLOWSHIP PROGRAM

NAME AND COUNTRY OF FELLOW	FIELD OF INTEREST	NAME AND INSTITUTION OF PRECEPTOR
ISRAEL ABRAMSKY, ODED	NEUROIMMUNOLOGY	SILBERBERG, DONALD H UNIVERSITY OF PENNSYLVANIA PHILADELPHIA PENNSYLVANIA
CHAJEK, TOVA	METABOLIC DISEASES	FIELDING, CHRISTOPHER J UNIVERSITY OF CALIFORNIA SAN FRANCISCO SAN FRANCISCO CALIFORNIA
DAMON, YEHUDA	PEDIATRIC ONCOLOGY	SEEGER, ROBERT C UNIVERSITY OF CALIFORNIA LOS ANGELES LOS ANGELES CALIFORNIA
HANDMAN, EMANUELA	PARASITOLOGY	DAVID, JOHN R ROBERT BRECK BRIGHAM HOSPITAL BOSTON MASSACHUSETTS
SHLOMAI, JOSEPH	MOLECULAR BIOLOGY	KORNBERG, A STANFORD UNIVERSITY STANFORD CALIFORNIA
SOREQ, HERMONA E	PROTEIN/AMINO ACID BIOCHEMISTRY	DARNELL, J E ROCKEFELLER UNIVERSITY NEW YORK NEW YORK
ITALY DOLARA, PIERO	TOXICOLOGY/PHARMACODYNAMICS	CORMONTE, BARRY WASHINGTON UNIVERSITY UNIVERSITY CITY MISSOURI
INDIVERI, FRANCESCO	MICROBIOLOGY	REISFELD, RALPH A SCRIPPS CLINIC AND RESEARCH FOUNDATION LA JOLLA CALIFORNIA
IPATE, GAETANO	BIOCHEMISTRY	EDELHOCH, HAROLD U.S. NATIONAL INSTITUTES OF HLTH BETHESDA MARYLAND

TABLE 7.--INTERNATIONAL RESEARCH FELLOWSHIP PROGRAM

NAME AND COUNTRY OF FELLOW	FIELD OF INTEREST	NAME AND INSTITUTION OF PRECEPTOR
ITALY MORGANTI, ALBERTO A	ENDOCRINE PHYSIOLOGY	LARAGH, J H CORNELL UNIV&SITY MEDICAL CENTER NEW YORK NEW YORK
PAGANI, MASSIMO	NEURO/MUSCULAR PHYSIOLOGY	BRAUNWALD, EUGENE PETER BENT BRIGHAM HOSPITAL BOSTON MASSACHUSETTS
PECCI, LAURA	BIOCHEMISTRY	KAPLAN, NATHAN O UNIVERSITY OF CALIFORNIA SAN DIEGO LA JOLLA CALIFORNIA
ZIPARO, VINCENZO	SURGERY	FISCHER, JOSEF E MASSACHUSETTS GENERAL HOSPITAL BOSTON MASSACHUSETTS
JAPAN HAYASHI, KENSHI	MOLECULAR BIOLOGYDISEASES	DAVIDSON, NORMAN CALIFORNIA INSTITUTE OF TECHNOLOGY PASADENA CALIFORNIA
HIGUWARA, TAKEMITSU	CARBOHYDRATE BIOCHEMISTRY	LAMPEN, J OLIVER RUTGERS THE STATE UNIV NEW BRUNSWICK NEW BRUNSWICK NEW JERSEY
NAKASHIMA, KOJI	HEMATOLOGY	BEUTLER, ERNEST CITY OF HOPE NATIONAL MEDICAL CENTER DUARTE CALIFORNIA
TAGADA, MATSUHISA	CHEMI EXCHANGE	PODOLSKY, R J U.S. NATIONAL INSTITUTES OF HLTH BETHESDA MARYLAND
YAMADA, GOTARO	MICROBIOLOGY	NAKANE, PAUL K UNIVERSITY OF COLORADO MEDICAL CENTER DENVER COLORADO

TABLE 7.--INTERNATIONAL RESEARCH FELLOWSHIP PROGRAM

NAME AND COUNTRY OF FELLOW	FIELD OF INTEREST	NAME AND INSTITUTION OF PRECEPTOR
KOREA REP OF		
KIM, MYUNG S	GASTROINTESTINAL PHYSIOLOGY	CHEY, WILLIAM Y UNIVERSITY OF ROCHESTER ROCHESTER NEW YORK
MEXICO		
ALTAMIRANO-DIMAS, MANUEL	NUCLTIC ACID BIOCHEMISTRY	STRAUSS, BERNARD S UNIVERSITY OF CHICAGO CHICAGO ILLINOIS
CELIS, ESTEBAN	IMMUNOCHEMISTRY	EISEN, HERMAN N MASSACHUSETTS INSTITUTE OF TECHNOLOGY CAMBRIDGE MASSACHUSETTS
VARGAS, PROYLAN M	PHYSIOLOGICAL/CLINICAL BIOCHEMISTRY	COSTA, SERMIDI D.S. ST. ELIZABETH'S HOSPITAL WASHINGTON DIST OF COL
NETHERLANDS		
VAN RWIJK, WILLEM	IMMUNOLOGY	WEISSMAN, I L STANFORD UNIVERSITY STANFORD CALIFORNIA
VRIESENDORP, HUIBERT M	ONCOLOGY	FREI, E, III SIDNEY FARBER CANCER INSTITUTE BOSTON MASSACHUSETTS
NEW ZEALAND		
ANNIGER, LOIS C	EXPERIMENTAL PATHOLOGY	JAMES, T B UNIVERSITY OF ALABAMA IN BIRMINGHAM BIRMINGHAM ALABAMA

TABLE 7.--INTERNATIONAL RESEARCH FELLOWSHIP PROGRAM

NAME AND COUNTRY OF FELLOW	FIELD OF INTEREST	NAME AND INSTITUTION OF PRECEPTOR
NEW ZEALAND		
COOKE, KENNETH R	PHYSIOLOGY	BOULPAEP, EMILE L U.S. NATIONAL INSTITUTES OF HLTH BETHESDA MARYLAND
DUNN, PETER J	DIABETES	SOELDNER, S HARVARD UNIVERSITY BOSTON MASSACHUSETTS
GLUCKMAN, PETER D	PEDIATRIC ENDOCRINOLOGY	GRUMBACH, MELVIN UNIVERSITY OF CALIFORNIA SAN FRANCISCO SAN FRANCISCO CALIFORNIA
GUTHRIE, BARBARA E	HUMAN/CLINICAL NUTRITION	MERTZ, WALTER U.S. AGRICULTURAL RESEARCH CENTER BELTSVILLE MARYLAND
JAMES, NORMAN M	PSYCHIATRY	CARROLL, B J UNIVERSITY OF MICHIGAN ANN ARBOR MICHIGAN
NEALE, THOMAS J	RENAL DISEASES	WILSON, CURTIS B SCRIPPS CLINIC AND RESEARCH FOUNDATIO LA JOLLA CALIFORNIA
REEVE, ANTHONY E	NUCLEIC ACID BIOCHEMISTRY	HUANG, RU C JOHNS HOPKINS UNIVERSITY BALTIMORE MARYLAND
NORWAY		
KAPLAN, GILLA	CELL BIOLOGY	COHN, ZANVIL A ROCKEFELLER UNIVERSITY NEW YORK NEW YORK
KROKAN, HANS E	VIROLOGY	DE PAMPHILIS, MELVIN L HARVARD UNIVERSITY BOSTON MASSACHUSETTS

TABLE 7.--INTERNATIONAL RESEARCH FELLOWSHIP PROGRAM

NAME AND COUNTRY OF FELLOW	FIELD OF INTEREST	NAME AND INSTITUTION OF PRECEPTOR
POLAND		
BRASZKO, JAN J	NEUROPHARMACOLOGY	ROTH, ROBERT H YALE UNIVERSITY NEW HAVEN CONNECTICUT
CASTRO-MALASPINA, HUGO	HEMATOLOGY	GOOD, ROBERT SLOAN KETTERING INSTITUTE FOR CANCER RES NEW YORK NEW YORK
ODERFELD-NOWAK, BARBARA	BIOCHEMISTRY	GAL, E M UNIVERSITY OF IOWA IOWA CITY IOWA
ODERFELD-NOWAK, BARBARA	BIOCHEMISTRY	APRISON, M H INDIANA UNIV-PURDUE UNIV AT INDIANAPOLIS INDIANAPOLIS INDIANA
PILARSKA-KRZEMINSKA, M J	CYTO/HISTO CHEMISTRY	FLEISCHER, SIDNEY VANDERBILT UNIVERSITY NASHVILLE TENNESSEE
PODDUBIUK, ZBIGNIEW M	PSYCHOPHARMACOLOGY	KOPIN, IRWIN J U.S. ALCOHOL, DRUG ABUSE & MTL HLTH ADM ROCKVILLE MARYLAND
RYBAKOWSKI, JANUSZ K	PSYCHOPHARMACOLOGY	MENDELS, JOSEPH UNIVERSITY OF PENNSYLVANIA PHILADELPHIA PENNSYLVANIA
SWIERCZYNSKI, JULIAN	ENZYME/METABOLISM BIOCHEMISTRY	DAVIS, E JACK INDIANA UNIV-PURDUE UNIV AT INDIANAPOLIS INDIANAPOLIS INDIANA
SOUTH AFRICA		
BECKER, DAVID M	PHYSIOLOGICAL/CLINICAL BIOCHEMISTRY	WOLFGRAM, FREDERICK UNIVERSITY OF CALIFORNIA LOS ANGELES LOS ANGELES CALIFORNIA

TABLE 7.--INTERNATIONAL RESEARCH FELLOWSHIP PROGRAM

NAME AND COUNTRY OF FELLOW	FIELD OF INTEREST	NAME AND INSTITUTION OF PRECEPTOR
SOUTH AFRICA SCHOUB, BARRY D	INFECTIOUS DISEASES	KAPIKIAN, A Z U.S. NATIONAL INSTITUTES OF HLTH BETHESDA MARYLAND
VAN DER WESTHUYZEN, DENEYS R	MOLECULAR BIOLOGY	FISCHMAN, D A DOWNSTATE MEDICAL CENTER NEW YORK NEW YORK
SPAIN DELGADO-GARCIA, JOSE M	COMMUNICATION	LLINAS, R R NEW YORK UNIVERSITY NEW YORK NEW YORK
FERRUS, ALBERTO	CELL DIVISION	KANCKEL, D C YALE UNIVERSITY NEW HAVEN CONNECTICUT
GARCIA-SANCHEZ, JOSE L	NEURO/MUSCULAR PHYSIOLOGY	SCHLAG, JOHN D UNIVERSITY OF CALIFORNIA LOS ANGELES LOS ANGELES CALIFORNIA
MOYA, FERNANDO	MOLECULAR BIOLOGY	GLASER, LUIS WASHINGTON UNIVERSITY UNIVERSITY CITY MISSOURI
PASTRANA, RICARDO	BIOCHEMICAL AND MOLECULAR GENETICS	PTASHNE, MARK HARVARD UNIVERSITY CAMBRIDGE MASSACHUSETTS
RIPOLL, PEDRO	CELL DIVISION	LINDSLEY, DAN L UNIVERSITY OF CALIFORNIA SAN DIEGO LA JOLLA CALIFORNIA
SWEDEN AHLMAN, BENGT HAKAN	SURGERY	NYHUS, LLOYD M UNIVERSITY OF ILLINOIS MEDICAL CENTER CHICAGO ILLINOIS

TABLE 7.--INTERNATIONAL RESEARCH FELLOWSHIP PROGRAM

NAME AND COUNTRY OF FELLOW	FIELD OF INTEREST	NAME AND INSTITUTION OF PRECEPTOR
SWEDEN		
ALDSKOGIUS, HAKAN	NEURO/MUSCULAR PHYSIOLOGY	BARRON, KEVIN D ALBANY MEDICAL COLLEGE ALBANY NEW YORK
EINARSSON, KURT A	METABOLIC DISEASES	GRUNDY, SCOTT M VETERANS ADMINISTRATION HOSPITAL SAN DIEGO CALIFORNIA
HAGGLUND, JARL V	MEMBRANE TRANSPORT	EISENMAN, GEORGE UNIVERSITY OF CALIFORNIA LOS ANGELES LOS ANGELES CALIFORNIA
LUNDBERG, DAG B	ANESTHESIOLOGY	MUELLER, ROBERT A UNIVERSITY OF NORTH CAROLINA CHAPEL HILL CHAPEL HILL NORTH CAROLINA
WACHTMEISTER, MARGARETA L	OPHTHALMOLOGY	DOWLING, JOHN HARVARD UNIVERSITY CAMBRIDGE MASSACHUSETTS
WASTESON, AKE J	CARBOHYDRATE BIOCHEMISTRY	NEUFELD, ELIZABETH U.S. NATIONAL INSTITUTES OF HLTH BETHESDA MARYLAND
SWITZERLAND		
KOELZ, HANS R	GASTROENTEROLOGY	DIETSCHY, JOHN M UNIVERSITY OF TEXAS HLTH SCI CTR DALLAS DALLAS TEXAS
REINHARDT, CHRISTOPH A	MORPHOGENESIS	SCHNEIDERMAN, HOWARD A UNIVERSITY OF CALIFORNIA IRVINE IRVINE CALIFORNIA
UNITED KINGDOM		
BOUCHIER-HAYES, DAVID J	ANGIOLOGY	ABBOT, WILLIAM M MASSACHUSETTS GENERAL HOSPITAL BOSTON MASSACHUSETTS

TABLE 7.--INTERNATIONAL RESEARCH FELLOWSHIP PROGRAM

NAME AND COUNTRY OF FELLOW	FIELD OF INTEREST	NAME AND INSTITUTION OF PRECEPTOR
UNITED KINGDOM		
DAVIES, TERRY F	ENDOCRINOLOGY	CATT, KEVIN U.S. NATIONAL INSTITUTES OF HLTH BETHESDA MARYLAND
GALBRAITH, ROBERT M	LIVER DISEASES	FUDENBERG, HUGH H MEDICAL UNIVERSITY OF SOUTH CAROLINA CHARLESTON SOUTH CAROLINA
HARRIS, JOHN B	NEUROPHARMACOLOGY	TAYLOR, DERMOT B UNIVERSITY OF CALIFORNIA LOS ANGELES LOS ANGELES CALIFORNIA
MC CULLOCH, JAMES	NEUROPHARMACOLOGY	SOKOLOFF, LOUIS U.S. ALCOHOL, DRUG ABUSE & MTL HLTH ADM ROCKVILLE MARYLAND
SISSONS, JOHN G	RENAL DISEASES	OLDSTONE, M B SCRIPPS CLINIC AND RESEARCH FOUNDATION LA JOLLA CALIFORNIA
ZALIN, ROSALIND J	CELL PHYSIOLOGY	HAUSCHKA, STEPHEN D UNIVERSITY OF WASHINGTON SEATTLE WASHINGTON
URUGUAY		
BEJAR, RAUL F	PREMATURITY AND THE NEWBORN	SRABSTEIN, JORGE GEORGE WASHINGTON UNIVERSITY WASHINGTON DIST OF COL
BEJAR, RAUL F	PERINATOLOGY	GLUCK, LOUIS UNIVERSITY OF CALIFORNIA SAN DIEGO LA JOLLA CALIFORNIA
CURBELO, VIOLETA	CARDIOVASCULAR/PULMONARY PHYSIOLOGY	GLUCK, LOUIS UNIVERSITY OF CALIFORNIA SAN DIEGO LA JOLLA CALIFORNIA

TABLE 7.--INTERNATIONAL RESEARCH FELLOWSHIP PROGRAM

NAME AND COUNTRY OF FELLOW	FIELD OF INTEREST	NAME AND INSTITUTION OF PRECEPTOR
YUGOSLAVIA KULLO, DINKO	ENVIRONMENTAL HEALTH	STARA, J F U.S. NATIONAL ENVIRON RES CTR CINCINNATI OHIO

U.S. FELLOWS ABROAD

Under the NIH Fellowship Grant Program predoctoral, postdoctoral and special fellowships to promote training for research in health-related sciences are awarded each year to U.S. citizens, non-citizen nationals of the U.S., or to persons who have been lawfully admitted to the United States for permanent residence. With acceptable justification, these fellowships may be taken at foreign institutions. Fellowships are not awarded for study leading to the M.D., D.D.S., D.V.M. or other applied science degrees.

TABLE 8.--U.S. FELLOWS ABROAD

COUNTRY, INSTITUTION AND NAME OF FELLOW	SPONSOR	FIELD OF INTEREST
AUSTRALIA		
AUSTRALIAN NATIONAL UNIVERSITY		
BRACIALE, VIVIAN L	NIAID	IMMUNOLOGY
HARDING, THOMAS H	NEI	NEURO/MUSCULAR PHYSIOLOGY
THIBOS, LARRY N	NEI	OPHTHALMOLOGY
WELKER, DENNIS L	NCI	RADIOBIOLOGY
UNIVERSITY OF NEW SOUTH WALES		
LEVENTHAL, AUDIE G	NEI	PHYSIOLOGY
AUSTRIA		
UNIVERSITY OF INNSBRUCK		
TYSON, JOHN J	NCI	CELL DIVISION
BELGIUM		
CATHOLIC UNIVERSITY OF LOUVAIN		
GILBERT, SUSAN H	NIAMD	NEURO/MUSCULAR PHYSIOLOGY
CENTRE D ENSEIGNEMENT ET DE RECHERCHES DES INDUS ALIMENT (CERIA)		
SCHAEFFER, JAMES M	NEI	PHYSIOLOGY
CANADA		
JEWISH GENERAL HOSPITAL		
HASLAM, SANDRA M	NCI	CHEMICAL PHARMACOLOGY
MC MASTER UNIVERSITY		
SCOTT, SHERYL A	NINCS	NEURO/MUSCULAR PHYSIOLOGY
UNIVERSITY OF ALBERTA		
BAUM, LINDA L	NIAID	IMMUNOLOGY
UNIVERSITY OF BRITISH COLUMBIA		
ALINE, ROBERT F, JR	NICHD	MORPHOGENESIS
BOKELMAN, GORDON H	NCI	ORGANIC SYNTHESIS
CRISTY, MARK T	NEI	ENDOCRINE PHYSIOLOGY
FULTON, AMY M	NCI	IMMUNOLOGY
VAN HOUTEN, JUDITH L	NINCS	NEURO/MUSCULAR PHYSIOLOGY
UNIVERSITY OF TORONTO		
HAY, THOMAS F	NINCS	NEUROANATOMY
UNIVERSITY OF WESTERN ONTARIO		
BRICKMAN, ANDREW L	NHLBI	CARDIOVASCULAR DISEASES
REED, DWAIN J	NINCS	NEURO/MUSCULAR PHYSIOLOGY

TABLE 8.--U.S. FELLOWS ABROAD

COUNTRY, INSTITUTION AND NAME OF FELLOW	SPONSOR	FIELD OF INTEREST
FRANCE		
COLLEGE OF FRANCE		
NELSON, DAVID L	NINCS	NEUROPHARMACOLOGY
NATIONAL CENTER FOR SCIENTIFIC RESEARCH--GIF-SUR-YVETTE LABORATORIES		
SPERLING, LINDA	NEI	OPHTHALMOLOGY
PASTEUR INSTITUTE		
WRIGHT, WOODRING E	NIGMS	MOLECULAR BIOLOGY
GERMANY FED R		
MAX PLANCK SOCIETY FOR THE ADVANCEMENT OF SCIENCE--INSTITUTE FOR BIOPHYSICAL CHEMISTRY		
KELLY, MARTIN J	NINCS	ENDOCRINOLOGY
MAX PLANCK SOCIETY FOR THE ADVANCEMENT OF SCIENCE--INSTITUTE FOR IMMUNIZATION BIOLOGY		
KOVACIC, ROGER T	NIGMS	MOLECULAR BIOLOGY
RUPERT CHARLES UNIVERSITY OF HEIDELBERG		
CARSTENS, EARL E	NINCS	NEURO/MUSCULAR PHYSIOLOGY
ISRAEL		
HEBREW UNIVERSITY OF JERUSALEM		
DEVENS, BRUCE H	NCI	CANCER CHEMOTHERAPY
ITALY		
NATIONAL RESEARCH COUNCIL OF ITALY--ZOOLOGICAL STATION OF NAPLES		
RENAUD, FERNANDO L	NIGMS	BIOSCIENCES
NETHERLANDS		
INSTITUTE FOR PERCEPTION RESEARCH		
LESHOWITZ, BARRY H	NINCS	LEARNING AND MEMORY
SWEDEN		
CAROLINE INSTITUTE		
FARRELL, DOLORES	NIGMS	GENETICS
GOTHENBURG UNIVERSITY		
GREGA, GEORGE J	NHLBI	CARDIOVASCULAR/PULMONARY PHYSIOLOGY
WOILER, CHARLES T	NINCS	BIOLOGY
ROYAL COLLEGE OF GYMNASTICS AND SPORTS		
RUSSELL, DAVID F	NINCS	NEURO/MUSCULAR PHYSIOLOGY
UNIVERSITY OF LUND		
NELSON, KAREN A	NCI	IMMUNOCHEMISTRY

TABLE 8.--U.S. FELLOWS ABROAD

COUNTRY, INSTITUTION AND NAME OF FELLOW	SPONSOR	FIELD OF INTEREST
SWEDEN		
UNIVERSITY OF UPPSALA		
FOWLKES, DANA M	NIAID	VIROLOGY
KURNICK, JAMES T	NIAID	IMMUNOLOGY
MALMGREN, LESLIE T, JR	NINCS	NEUROPATHOLOGY
SWITZERLAND		
SWISS INSTITUTE FOR EXPERIMENTAL CANCER RESEARCH		
WIDMER, MICHAEL B	NCI	IMMUNOLOGY
UNIVERSITY OF BASEL		
BROWN, MICHAEL F	NIGMS	ENZYME/METABOLISM BIOCHEMISTRY
LEVIS, ROBERT W, JR	NIGMS	GENETICS
PALTER, KAREN B	NIGMS	MOLECULAR BIOLOGY
UNIVERSITY OF ZURICH		
PALMENBERG, ANN C	NIGMS	CELL BIOLOGY
UNITED KINGDOM		
AGRICULTURAL RESEARCH COUNCIL		
SMITH, REX N	NICHD	REPRODUCTIVE PHYSIOLOGY
IMPERIAL CANCER RESEARCH FUND		
LEVER, JULIA E	NCI	VIROLOGY
OZANNE, BRADFORD W	NCI	VIROLOGY
MEDICAL RESEARCH COUNCIL		
BENNETT, WILLIAM F	NIGMS	NUCLEIC ACID BIOCHEMISTRY
ENDOW, SHARYN A	NICHD	MOLECULAR BIOLOGY
HEDGECOCK, EDWARD M	NINCS	CELL BIOLOGY
HINGERTY, BRIAN E	NCI	CRYSTALLOGRAPHY
HORVITZ, HOWARD R	NCI	MOLECULAR BIOLOGY
JACKSON, VAUGHN E	NIGMS	CELL BIOLOGY
KASS, THOMAS L	NINCS	NEURORADIOLOGY
LUTTER, LEONARD C	NIGMS	MOLECULAR BIOLOGY
RICHMOND, TIMOTHY J	NIGMS	CRYSTALLOGRAPHY
UDIN, SUSAN B	NEI	NEURO/MUSCULAR PHYSIOLOGY
WEBER, DANIEL L	NINCS	SPEECH CORRECTION, SPEECH PATHOLOGY AND AUDIOLOGY
RADCLIFFE INFIRMARY		
ROBINSON, JAMES L	NHLBI	CARDIOVASCULAR DISEASES
UNIVERSITY OF BRISTOL		
BOCK, PAUL E	NHLBI	HEMATOLOGY/IMMUNOLOGY
UNIVERSITY OF CAMBRIDGE		
EMERSON, VICTOR F	NEI	ANIMAL LEARNING AND IMPRINTING

TABLE 6.--U.S. FELLOWS ABROAD

COUNTRY, INSTITUTION AND NAME OF FELLOW	SPONSOR	FIELD OF INTEREST
UNITED KINGDOM		
UNIVERSITY OF CAMBRIDGE		
O'CONNOR, MICHAEL D	NIAMD	PHYSICAL BIOCHEMISTRY
RIBIN, JOHN R	NIGMS	MOLECULAR STRUCTURE
SPRINGER, TIMOTHY A	NIAID	IMMUNOLOGY
WATSON, ANDREW B	NEI	NEURO/MUSCULAR PHYSIOLOGY
WILSON, JOHN A	NINCS	BIOLOGY
UNIVERSITY OF GLASGOW		
AURIEMMA, RICHARD A	NINCS	NEURO/MUSCULAR PHYSIOLOGY
FITZMAURICE, LEONA C	NCI	GENETICS
UNIVERSITY OF KEELE		
MARINS, PETER M	NINCS	NEURO/MUSCULAR PHYSIOLOGY
UNIVERSITY OF LONDON		
CLARK, EDWARD A	NCI	IMMUNOLOGY
GOLDMAN, YALE E	NIAMD	NEURO/MUSCULAR PHYSIOLOGY
KLUKAS, CAROL K	NIGMS	CELL BIOLOGY
LOOMIS, GARY L	NIAMD	FAT AND LIPID BIOCHEMISTRY
NOBLE, MARK D	NINCS	BIOLOGY
PRUSS, REBECCA C	NINCS	BIOLOGY
SAMUELSON, KENT M	NIAMD	ORTHOPEDIC SURGERY
SWENSON, DAVID H	NCI	NUCLEIC ACID BIOCHEMISTRY
SWICK, ROBERT W	NIAMD	HUMAN/CLINICAL NUTRITION
UNIVERSITY OF OXFORD		
BROWN, WILLIE C	NIGMS	BIOSCIENCES
GOFFS, JOHN W	NIAID	FOOD PROTECTION: METHODS
HUTSON, NANCY J	NIAMD	CARBOHYDRATE BIOCHEMISTRY
NJUS, DAVID L	NIGMS	MOLECULAR BIOLOGY
RATNER, DAVID I	NIGMS	DEVELOPMENTAL BIOLOGY
STRAUS, DANIEL S	NCI	BIOCHEMICAL AND MOLECULAR GENETICS
UNIVERSITY OF SURREY		
RIGGINS, RICHARD S	NIAMD	ORTHOPEDIC SURGERY
UNIVERSITY OF SUSSEX		
MUNDALL, ERIC C	NIAMD	FAT AND LIPID BIOCHEMISTRY

INTERNATIONAL CENTERS FOR MEDICAL RESEARCH (ICMR)

The ICMR Program was established in 1960 by the NIH by authority of the International Health Research Act of 1960 (P.L. 86-610) to provide for international cooperation in health research and research planning in order to promote the health of the American people. These objectives were to be implemented by expanding collaborative research between U.S. universities and selected foreign institutions and investigators. Each ICMR is a research organization sponsored by and established in the U.S. university professional school (medical and public health). When an ICMR grant is awarded to the domestic university, the university negotiates with a foreign institution of its choice to establish an affiliate Center which will have the necessary research facilities and scientific and technical competence to support the research programs agreed upon.

These collaborative research centers overseas afford the U.S. investigators environmental, ethnic and medical conditions of scientific interest which are not available in the United States. The ICMR Program is administered by the National Institute of Allergy and Infectious Diseases.

TABLE 9.--INTERNATIONAL CENTERS FOR MEDICAL RESEARCH

LOCATION, INSTITUTION, PRINCIPAL INVESTIGATOR	GRANT NO.	DOLLARS
CALIFORNIA		
SAN FRANCISCO		
UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO		
RUDNICK, ALBERT	AI 10051-17	702,283
(KUALA LUMPUR, MALAYSIA)		
LOUISIANA		
NEW ORLEANS		
TULANE UNIVERSITY		
ORIHEL, THOMAS C	AI 10050-17	690,852
(CALI, COLOMBIA)		
MARYLAND		
BALTIMORE		
JOHNS HOPKINS UNIVERSITY		
SACK, R BRADLEY	AI 10048-17	461,529
(BANGLADESH)		
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND AT BALTIMORE		
DENNIS, JOHN H	AI 10049-18	545,335
(LAHORE, PAKISTAN)		
GRAND TOTAL 4		2,399,999

SENIOR INTERNATIONAL FELLOWSHIP PROGRAM

The Senior International Fellowship Program provides opportunities to U.S. schools of medicine, osteopathy, dentistry and public health to nominate outstanding faculty members at mid-career, who have demonstrated productive scholarship and recognized stature in their profession to go abroad to study and share their expertise. It is intended that this award be a career-enhancing educational experience with mutual benefits to all involved.

TABLE 10.--SENIOR INTERNATIONAL FELLOWS

NAME AND COUNTRY OF FELLOW	FIELD OF INTEREST	HOME INSTITUTION AND PRECEPTOR
AUSTRALIA		
BROGAN, DONNA P	PUBLIC HEALTH STATISTICS	WILLIAMS, EVAN J EMORY UNIVERSITY ATLANTA GEORGIA
MARCHETTE, NYVEN J	VIROLOGY	ADA, G L UNIVERSITY OF HAWAII AT MANOA HONOLULU HAWAII
MOUN, DAVID B	PHYSIOLOGY	DENTON, DEREK UNIVERSITY OF MICHIGAN ANN ARBOR MICHIGAN
SPEAR, ROBERT C	ENVIRONMENTAL ENGINEERING: ENGINEERING	FENNER, FRANK UNIVERSITY OF CALIFORNIA BERKELEY BERKELEY CALIFORNIA
YAEGER, JAMES A	MATH,PHYS SCI,ENGR,OTHER	GRIFFIN, C J UNIVERSITY OF CONNECTICUT HEALTH CENTER FARMINGTON CONNECTICUT
AUSTRIA		
STITZEL, ROBERT E	PHARMACOLOGY	WINKLER, HANS WEST VIRGINIA UNIVERSITY MORGANTOWN WEST VIRGINIA
BELGIUM		
BAKKER, CORNELIS B	PSYCHIATRY	BUYSE, G UNIVERSITY OF WASHINGTON SEATTLE WASHINGTON
SANTEN, RICHARD J	ENDOCRINOLOGY	FRANCHIMONT, PAUL PENNSYLVANIA STATE UNIV HERSHEY MED CTR HERSHEY PENNSYLVANIA

TABLE 10.--SENIOR INTERNATIONAL FELLOWS

NAME AND COUNTRY OF FELLOW	FIELD OF INTEREST	HOME INSTITUTION AND PRECEPTOR
CANADA		
BUIST, NEIL R	PEDIATRICS	ROY, CLAUDE C UNIVERSITY OF MONTREAL MONTREAL CANADA
WATKIN, EUGENE	RADIOLOGY	POYTON, H G UNIVERSITY OF WASHINGTON SEATTLE WASHINGTON
SRINIVASAN, PARITHYCHERY R	GENETICS	SIMINOVITCH, LOUIS COLUMBIA UNIVERSITY NEW YORK NEW YORK
WU, HENRY C	GENETICS	SIMINOVITCH, LOUIS UNIVERSITY OF CONNECTICUT HEALTH CENTER FARMINGTON CONNECTICUT
FRANCE		
KATZ, ADRIAN I	PHYSIOLOGICAL/CLINICAL BIOCHEMISTRY	MOREL, FRANCOIS UNIVERSITY OF HEALTH SCIENCES CHICAGO ILLINOIS
NALBANDIAN, JOHN	CLINICAL DENTISTRY	FRANK, ROBERT M UNIVERSITY OF CONNECTICUT HEALTH CENTER FARMINGTON CONNECTICUT
ORGEBIN-CRIST, MARIE-CLAIRE	BIOLOGY	THIBAULT, C VANDERBILT UNIVERSITY NASHVILLE TENNESSEE
GERMANY FED R		
BARRETT, JAMES T	IMMUNOLOGY	MAYR, A UNIVERSITY OF MISSOURI COLUMBIA COLUMBIA MISSOURI

TABLE 10.--SENIOR INTERNATIONAL FELLOWS

NAME AND COUNTRY OF FELLOW	FIELD OF INTEREST	HOME INSTITUTION AND PRECEPTOR
GERMANY FED R COOPER, CECIL	BIOCHEMISTRY	DECKER, KARL CASE WESTERN RESERVE UNIVERSITY CLEVELAND OHIO
GRAY, DONALD M	MOLECULAR STRUCTURE	MARVIN, DONALD A UNIVERSITY OF TEXAS DALLAS RICHARDSON TEXAS
ISRAEL CALVIN, WILLIAM H	NEURO/MUSCULAR PHYSIOLOGY	PARNAS, I UNIVERSITY OF WASHINGTON SEATTLE WASHINGTON
HODES, MARION E	BIOCHEMICAL AND MOLECULAR GENETICS	COHEN, MAIMON M INDIANA UNIV-PURDUE UNIV AT INDIANAPOLIS INDIANAPOLIS INDIANA
ROSENFIELD, ROBERT L	PEDIATRIC ENDOCRINOLOGY	LINDNER, HANS UNIVERSITY OF CHICAGO CHICAGO ILLINOIS
NETHERLANDS DRESDEN, MARC H	PARASITOLOGY	BRUIJNING, C F BAYLOR COLLEGE OF MEDICINE HOUSTON TEXAS
SWEDEN BOSIN, TALMAGE R	MATH,PHYS SCI,ENGR,OTHER	HOLMSTEDT, BO INDIANA UNIV-PURDUE UNIV AT INDIANAPOLIS INDIANAPOLIS INDIANA

TABLE 10.--SENIOR INTERNATIONAL FELLOWS

NAME AND COUNTRY OF FELLOW	FIELD OF INTEREST	HOME INSTITUTION AND PRECEPTOR
SWEDEN		
SILVERMAN, DAVID N	ENZYME/METABOLISM BIOCHEMISTRY	LINDSKOG, SVEN UNIVERSITY OF FLORIDA GAINESVILLE FLORIDA
SWITZERLAND		
ANDRES, GIUSEPPE A	HEMATOLOGY/IMMUNOLOGY	MIESCHER, PETER A STATE UNIVERSITY OF NEW YORK AT BUFFALO BUFFALO NEW YORK
KOHORN, ERNEST I	OBSTETRICS AND GYNECOLOGY	ALEXANDER, PETER YALE UNIVERSITY NEW HAVEN CONNECTICUT
SIMPSON, CHARLES F	PHYSIOLOGY	PREISIG, RUDOLF UNIVERSITY OF FLORIDA GAINESVILLE FLORIDA
SMITH, EDWARD H	DIAGNOSTIC RADIOLOGY	HOLM, HANS H HARVARD UNIVERSITY BOSTON MASSACHUSETTS
UNITED KINGDOM		
ANTHONY, BASCOM F	PEDIATRIC INFECTIOUS DISEASES	TAYLOR-ROBINSON, DAVID LOS ANGELES COUNTY HARBOR GENERAL HOSP TORRANCE CALIFORNIA
DAVIS, GUSTAVE L	OTOLOGY	MICHAELS, LESLIE WASHINGTON UNIVERSITY UNIVERSITY CITY MISSOURI
FANESTIL, DARRELL D	PHARMACOLOGY	CUTHBERT, ALAN UNIVERSITY OF CALIFORNIA SAN DIEGO LA JOLLA CALIFORNIA

TABLE 10.--SENIOR INTERNATIONAL FELLOWS

NAME AND COUNTRY OF FELLOW	FIELD OF INTEREST	HOME INSTITUTION AND PRECEPTOR
UNITED KINGDOM		
FLAKS, JOEL G	BIOCHEMISTRY	WYKE, JOHN A UNIVERSITY OF PENNSYLVANIA PHILADELPHIA PENNSYLVANIA
FRANKL, WILLIAM S	CARDIOVASCULAR/PULMONARY PHYSIOLOGY	HARRIS, PETER MEDICAL COLLEGE OF PENNSYLVANIA PHILADELPHIA PENNSYLVANIA
FREIMER, EARL H	PATHOLOGY	COOMBS, R R MEDICAL COLLEGE OF OHIO AT TOLEDO TOLEDO OHIO
GABRIDGE, MICHAEL G	PARASITOLOGY	TAYLOR-ROBINSON, DAVID T UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN URBANA ILLINOIS
GIACOMONI, DARIO A	CELL BIOLOGY	HARRIS, HENRY UNIVERSITY OF ILLINOIS MEDICAL CENTER CHICAGO ILLINOIS
GOLDSTEIN, BERNARD D	PATHOLOGY	SLATER, TREVOR F NEW YORK UNIVERSITY NEW YORK NEW YORK
GREEWER, EVAN H	PROSTHODONTIA	GRANT, A A NORTHWESTERN UNIVERSITY CHICAGO ILLINOIS
HERMAN, LAWRENCE	BIOCHEMISTRY	HALES, C N NEW YORK MEDICAL COLLEGE NEW YORK NEW YORK
KOLLAR, EDWARD J	DEVELOPMENTAL BIOLOGY	WARWICK, R UNIVERSITY OF CONNECTICUT HEALTH CENTER FARMINGTON CONNECTICUT
KRUGER, LAWRENCE	ANATOMY	BREATHNACH, A S UNIVERSITY OF CALIFORNIA LOS ANGELES LOS ANGELES CALIFORNIA

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NAME AND COUNTRY OF FELLOW	FIELD OF INTEREST	HOME INSTITUTION AND PRECEPTOR
UNITED KINGDOM MENDELSON, JOSEPH	NEUROPHARMACOLOGY	HERBERG, L J UNIVERSITY OF KANSAS KANSAS CITY KANSAS
PHILLIPS, THEODORE J	EPIDEMIOLOGY	METCALFE, DAVID UNIVERSITY OF WASHINGTON SEATTLE WASHINGTON
RAFFERTY, KEEN A, JR	CELL BIOLOGY	HOLLIDAY, ROBIN UNIVERSITY OF ILLINOIS MEDICAL CENTER CHICAGO ILLINOIS
REICHMANN, MANFRED E	VIROLOGY	WEISS, ROBIN UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN URBANA ILLINOIS
RUSH, DAVID	PEDIATRICS	BUTLER, NEVILLE COLUMBIA UNIVERSITY NEW YORK NEW YORK
SLOVITER, HENRY A	BIOCHEMISTRY	MOLLISON, P L UNIVERSITY OF PENNSYLVANIA PHILADELPHIA PENNSYLVANIA
TEMPELIS, CONSTANTINE H	BIOLOGY	IVANYI, JURAJ UNIVERSITY OF CALIFORNIA BERKELEY BERKELEY CALIFORNIA
TEPHLY, THOMAS R	TOXICOLOGY/PHARMACODYNAMICS	DE MATTEIS, FRANCESCO UNIVERSITY OF IOWA IOWA CITY IOWA
ZAPOL, WARREN M	BIOMEDICAL ENGINEERING	BELLHOUSE, BRIAN MASSACHUSETTS GENERAL HOSPITAL BOSTON MASSACHUSETTS